

FIG. 1

FIG. 2A

CONSENSUS:	ggatacgatc	ggtctgaccc	cgggggagtc	accgggggac	aggcygwcaa	ggycttggtc	60
CEF94-A:	.....	.....	.....	.....	...c.t...	...t.....	60
D6948-A:	.....	.....	.....	.....	...t.a...	...c.....	60
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caggatggaa	ctcctccttc	tacaaygcta	tcattgatgg	tyagtagaga	tcagacaaac	120
CEF94-A:	.....	.....	...c....	.....	...c.....	.....	120
D6948-A:	.....	.....	...t....	.....	...t.....	.....	120
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gatcgagcg	atgacraacc	tgcaagatca	aacccaacag	attgttccgt	tcatacggag	180
CEF94-A:	.....	...a....	.....	.....	.....	.....	180
D6948-A:	.....	...g....	.....	.....	.....	.....	180
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ccttctgatg	ccaacaaccg	gaccggcgtc	cattccggac	gacaccctrg	agaagcacac	240
CEF94-A:	.....	.....	.....	.....	...g....	.....	240
D6948-A:	.....	.....	.....	.....	...a....	.....	240
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tctcaggtca	gagacctcga	cctacaattt	gactgtgggg	gacacagggg	cagggctaata	300
CEF94-A:	.....	.....	.....	.....	.....	.....	300
D6948-A:	.....	.....	.....	.....	.....	.....	300
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgtctttttc	cctggwttcc	ctggctcaat	tgtgggtgct	cactacacac	tgcagagcaa	360
CEF94-A:	.....	...a....	.....	.....	.....	.....	360
D6948-A:	.....	...t....	.....	.....	.....	.....	360
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgggaactac	aagttcgatc	agatgctcct	gactgccccag	aacctaccgg	ccagytacaa	420
CEF94-A:	.....	.....	.....	.....	.....	...t.....	420
D6948-A:	.....	.....	.....	.....	.....	...c.....	420
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2B

CONSENSUS:	ctactgcagg	ctagtgagtc	ggagtctcac	agtgagggtca	agcacactyc	ctgggtggcgt	480
CEF94-A:	.....	.....	.....	.....	.....t.	.....	480
D6948-A:	.....	.....	.....	.....	.....C.	.....	480
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ttatgcacta	aayggcacca	taaagcccg	gaccttccaa	ggaagcctga	gtgaactgac	540
CEF94-A:	.....	.C.....	.....	.....	.....	.....	540
D6948-A:	.....	.t.....	.....	.....	.....	.....	540
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	agatgttagc	tacaatgggt	tgatgtctgc	aacagccaac	atcaacgaca	aaatygggaa	600
CEF94-A:	.....	.....	.....	.....	.....	....t....	600
D6948-A:	.....	.....	.....	.....	.....	....C....	600
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cgtcctagta	ggggaagggg	tmaccgtcct	cagcttacc	acatcatatg	atcttgggta	660
CEF94-A:	.....	.....	.C.....	.....	.....	.....	660
D6948-A:	.....	.....	.a.....	.....	.....	.....	660
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgtgagrcty	ggtgacccca	ttcccgcwat	agggctygac	ccaaaaatgg	tagcmacatg	720
CEF94-A:	.....g..t	.....	.....a..	.....t..	.....	....C....	720
D6948-A:	.....a..c	.....	.....t..	.....C..	.....	....a....	720
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tgacagcagt	gacaggccca	gagtctacac	cataactgca	gccgatgatt	accaattctc	780
CEF94-A:	.....	.....	.....	.....	.....	.....	780
D6948-A:	.....	.....	.....	.....	.....	.....	780
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	atcacagtac	caascagggtg	gggtaacaat	cacactgttc	tcagcyaya	tygatgccat	840
CEF94-A:	.....	.C.....	.....	.....	....C..C.	.t.....	840
D6948-A:	.....	.g.....	.....	.....	....t..t.	.C.....	840
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2C

CONSENSUS:	cacaagcctc	agcrtyggg	gagarctcgt	gtttcaaca	agcgcccamg	gccttrtact	900
CEF94-A:	.....	.g.t...	...g....	.....	.....C.	....g...	900
D6948-A:	.....	.a.C...	..a....	.....	.....a.	....a...	900
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	gggygcyacc	atctacctya	taggctttga	tgggacwgcg	gtaatcacca	grgctgtggc	960
CEF94-A:	..C.C...	.....C.	.....	...a...	.....	.g.....	960
D6948-A:	..t.t...	.....t.	.....	...t...	.....	.a.....	960
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	cgaracaat	gggctracgr	cggcacysga	caaccttwtg	ccattcaatm	tttgtgattcc	1020
CEF94-A:	...a....	....g..a	....C...	....t..	.....a	.....	1020
D6948-A:	...g....	...a..g	....t..	...a..	.....C	.....	1020
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	aacmarcag	ataaccacg	caatcacatc	catcaaaactg	gagatagtga	cctccaaaag	1080
CEF94-A:	..a.a...	.....	.....	.....	.....	.....	1080
D6948-A:	..C.G...	.....	.....	.....	.....	.....	1080
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	tgggtggtcag	gcrggggatc	agatgtcrtg	gtcrgcaagw	gggagcctag	cagtgacgat	1140
CEF94-A:	.....	.a.....	....g...	..g....a	.....	.....	1140
D6948-A:	.....	.g.....	....a..	..a....t	.....	.....	1140
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	ccayggtggc	aactatccag	gggccctccg	tcccgtcacr	ctagtrgcct	acgaaagagt	1200
CEF94-A:	..t.....	.....	.....	....g	....g....	.....	1200
D6948-A:	..C.....	.....	.....	...a	...a....	.....	1200
TY89-A:	-----	-	-	-	-	-	
CONSENSUS:	ggcaacaggga	tcygtcgтта	cggtcgcygg	ggtgagcaac	ttcgagctga	tccccaatcc	1260
CEF94-A:	.....	.C.....	....t..	.....	.....	.....	1260
D6948-A:	.....	.t.....	....C..	.....	.....	.....	1260
TY89-A:	-----	-	-	-	-	-	

FIG. 2D

CONSENSUS:	tgaactagca	aagaacctgg	tyacagaata	cggccgattt	gaccaggag	ccatgaacta	1320
CEF94-A:	.....	.....t	.....	.....	.....	.....	1320
D6948-A:	.....	.....C	.....	.....	.....	.....	1320
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cacaaaattg	atactgagt	agagggaccg	tcttggcatc	aagaccgtmt	ggccaacaag	1380
CEF94-A:	.....	.....	.....	.....	.....C	.....	1380
D6948-A:	.....	.....	.....	.....	.....a	.....	1380
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggagtacact	gactttcgyg	artacttcat	ggagggtggcc	gacctcaact	ctccccctgaa	1440
CEF94-A:	.....	.....t	a.....	.....	.....	.....	1440
D6948-A:	.....	.....C	g.....	.....	.....	.....	1440
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gattgcagga	gcatttgggt	tcaaagacat	aatccgggcc	mtaaggagga	tagctgtgcc	1500
CEF94-A:	.....	.....C	.....	.....	a.....	.....	1500
D6948-A:	.....	.....t	.....	.....	C.....	.....	1500
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggtggtctcy	acaytgttcc	caccygccgc	tcccctagcc	catgcaattg	gggaagggtgt	1560
CEF94-A:	.....C	...t	...t	.....	.....	.....	1560
D6948-A:	.....t	...C	...C	.....	.....	.....	1560
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	agactacctg	ctgggggatg	aggcacaggc	tgcttcagga	actgctcgag	ccgcgtcagg	1620
CEF94-A:	.....	.....	.....	.....	.....	.....	1620
D6948-A:	.....	.....	.....	.....	.....	.....	1620
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	aaaagcaaga	gctgcctcag	gccgcataag	gcagctract	ctgcgccgcg	acaaggggta	1680
CEF94-A:	.....	.....	.....	.....g	.....	.....	1680
D6948-A:	.....	.....	.....a	.....	.....	.....	1680
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2E

CONSENSUS:	cgaggtagtc	gcgaatctrt	tycaggtgcc	ccagaatccy	gtagtcgacg	ggattctygc	1740
CEF94-A:	.....	.....a.	.C.....	.....C	.....	.....t..	1740
D6948-A:	.....	.....g.	.t.....	.....t	.....	.....C..	1740
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ttcacctggg	rtactccgcg	gygcacacaa	cctcgactgc	gtgttragag	agggtgccac	1800
CEF94-A:	.....	g.....	.t.....	.....	.....a...	.....	1800
D6948-A:	.....	a.....	.C.....	.....	.....g...	.....	1800
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	gctattccct	gtggytyatya	cgacagtggga	agaygccatg	acacccaaaag	caytgaacag	1860
CEF94-A:	.....	.....t.t.	.....	...C.....	.....	.t.....	1860
D6948-A:	.....	.....C.C.	.....	...t.....	.....	.C.....	1860
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caaaatgttt	gctgtcattg	aaggcgtgcg	agaagayctc	caacctccwt	ctcaaagagg	1920
CEF94-A:	.....	.....	.....	.....C...	.....t.	.....	1920
D6948-A:	.....	.....	.....	.....t.	.....a.	.....	1920
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	atccttcata	cgaactctct	cyggacayag	agtctatgga	tatgctccag	atggggtact	1980
CEF94-A:	.....	.....	.t....C..	.....	.....	.....	1980
D6948-A:	.....	.....	.C....t..	.....	.....	.....	1980
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	tccactggag	actggggagag	aytacaccgt	kgtcccaata	gatgatgtct	gggacgacag	2040
CEF94-A:	.....	.....	.C.....	t.....	.....	.....	2040
D6948-A:	.....	.....	.t.....	g.....	.....	.....	2040
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	cattatgctg	tcctaaagayc	ccatacctcc	tattgtggga	aacagyggaa	ayctagccat	2100
CEF94-A:	.....	.....t.	.....	.....	.....t...	.t.....	2100
D6948-A:	.....	.....C.	.....	.....	.....C...	.C.....	2100
TY89-A:	-----	-----	-----	-----	-----	-----	

FIG. 2F

CONSENSUS:	agcttacatg	gatgtgtttc	gacccaaagt	ccmatccat	gtggcyatga	cgggagccct	2160
CEF94-A:	.....	.....	.....	..a.....	.....t...	.....	2160
D6948-A:	.....	.....	.....	..C.....	.....C...	.....	2160
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	caaygcytrt	ggcgagattg	agaamgtrag	ctttagaagc	accaagctcg	ccactgcaca	2220
CEF94-A:	..t..t.g.	.....	...a.a..	.....	.....	.....	2220
D6948-A:	...C..C.a.	.....	...C.g..	.....	.....	.....	2220
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ccgacttggc	ctyaagttag	ctgggtcccg	wgcattygay	gtraacaccg	ggyccaactg	2280
CEF94-A:	.....	..t.....	.....	a.....c.t	..a.....	..C.....	2280
D6948-A:	.....	..C.....	.....	t.....t.c	..g.....	..t.....	2280
TY89-A:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ggcracgtty	atcaaacgtt	tycctcaca	tccmcgmga	tgggacaggy	tmccytacct	2340
CEF94-A:	...a.....C	.....	..C.....	...a.C...	.....c	..C..C.....	2340
D6948-A:	...g.....t	.....	..t.....	...a.C...	.....C	..C..t.....	2340
TY89-A:	-----	-----	..C.....	...C.a...	.....t	..a..C.....	44
CONSENSUS:	caacctwccm	tayctyccac	cmamwgcwgg	acgycagtwc	sayctkgccm	tggchgchtc	2400
CEF94-A:	.....a.a.a	..C..t...	..C.at..a..	...C...a.	..C.C..t..a	...t..a..	2400
D6948-A:	.....t.a	..C..t...	..C.at..a..	...C...a.	..g.C..g...a	...C..t..	2400
TY89-A:	.....t..C	..t..C...	..a.ca..t..	...t...t.	..C..t..g...C	...a..C...	104
CONSENSUS:	mgagttcaaa	gagaccccmg	aactcgarr	ygcygtsmgw	gcmatggamg	cwgcwgcmaa	2460
CEF94-A:	a.....	.....C.	.....gag	..C..ca.a	..a.....a.	..a..a..C..	2460
D6948-A:	a.....	.....C.	.....gag	..C..ca.a	..C.....a.	..a..a..C..	2460
TY89-A:	C.....	.....a.	.....aga	..C..t..gc.t	..a.....C.	..t..t..a..	164
CONSENSUS:	cgtsgaccca	ytrttccrmt	cwgcdctcmr	bgtsttcatg	tggytggaag	araaygggat	2520
CEF94-A:	...g.....	..C.a...aa.	..t.a...ag	..t.g.....	...C.....	..g..t.....	2520
D6948-A:	...g.....	..C.g...aa.	..t.g...ag	..C.g.....	...C.....	..g..t.....	2520
TY89-A:	...C.....	..t.g...gc.	..a..t...ca	..g..C.....	...t.....	..a..C.....	224

FIG. 2G

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CONSENSUS: tgtracygay atggcyaaact tcgcmctcag cgacccgaac gcmcaymgga tgmraattt 2580
CEF94-A:   ...g..t..c .....c... ..a..... ..c..tc... ..cga..... 2580
D6948-A:   ...g..t..t .....c... ..a..... ..c..tc... ..cgc..... 2580
TY89-A:    ...a..c..c .....t... ..c..... ..a..ca... ..aaa..... 284

CONSENSUS: ycthgcaaay gcwccmcarg cmgmgagcaa gtcgcaragr gccaaagtayg gsacrgcwgg 2640
CEF94-A:   t..t.....c .a..a..a. .a..c..... ..a..a..g .....c. .g..a..a.. 2640
D6948-A:   t..c.....c .a..a..a. .a..c..... ..a..a..a .....c. .g..a..a.. 2640
TY89-A:    c..a.....t .t..c..g. .c..a..... ..a..g..g .....t. .c..g..t.. 344

CONSENSUS: ctacggagtg gaggcymgrg gccccacdcc agargargca cagagggara aagacacacg 2700
CEF94-A:   ..... ..tc.g. ....a.. ..g..a.. ..a.....a. ......... 2700
D6948-A:   ..... ..cc.g. ....t.. ..g..a.. .....a. ......... 2700
TY89-A:    ..... ..ta.a. ....g.. ..a..g.. .....g. ......... 404

CONSENSUS: gatctcmaag aagatggara cbatgggcat ctacttygca acaccrgaat gggtagcact 2760
CEF94-A:   .....a... ..g.....g. .c..... ..t... ..a..... 2760
D6948-A:   .....a... ..g.....g. .t..... ..t... ..a..... 2760
TY89-A:    .....c... ..a.....a. .g..... ..c.... ..g..... 464

CONSENSUS: caaygggcac cgrggsccaa gccccggcca gctvaagtac tggcaraaca camgagaaat 2820
CEF94-A:   ...t..... .a..g.... ..g..... ..a..... ..g.... ..c..... 2820
D6948-A:   ...t..... ..g..g.... ..g..... ..g..... ..g.... ..c..... 2820
TY89-A:    ...c..... .a..c.... ..g..... ..c..... ..a..... ..a..... 524

CONSENSUS: accdghahccm aacgaggact aycyagacta ygtgcaygcr gagaagagcc ggttggcrtc 2880
CEF94-A:   ...g..c..a ..... ..t.t..... ..c....t..a ..... ..a... 2880
D6948-A:   ...t..t..a ..... ..c.t..... ..c....t..a ..... ..a... 2880
TY89-A:    ...a..a..c ..... ..c.c..... ..t....c..g ..... ..g... 584

CONSENSUS: agaagaacar rtcytaaggg cagcyacgtc gatctacggg gctccaggac aggcwgarcc 2940
CEF94-A:   .....a a..c..... ..t..... ..g..... ..a.....g.. 2940
D6948-A:   .....a a..c..... ..t..... ..g..... ..a.....g.. 2940
TY89-A:    .....g g..t..... ..c..... ..g..... ..t..a.. 644
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FIG. 2H

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CONSENSUS: accccaagcy ttcatagacg aagtyggccar rgtctatgaa atcaaccatg grcgtggycc 3000
CEF94-A:   .....t .....a a.....a .....a .....c.. 3000
D6948-A:   .....c .....a a.....a .....g.....c.. 3000
TY89-A:   .....c .....g .....g .....g.....t.. 704

CONSENSUS: maaccargar cagatgaarg aytgctctt gactgcatg gagatgaagc atcgcaatcc 3060
CEF94-A:   a.....a.a .....a. t.....t. ......... 3060
D6948-A:   C.....a.a .....a. t.....c. ......... 3060
TY89-A:   a.....g.g .....g. .C.....C. ......... 764

CONSENSUS: caggcgggct cyaccaaaagc cmaagccaaa acccaatgct ccawcacaga gacccccctgg 3120
CEF94-A:   .....t..... .C..... .C..... .a..... 3120
D6948-A:   ..... .C..... .C..... .a..... 3120
TY89-A:   ..... .C..... .a..... .t..... 824

CONSENSUS: wcggctgggc cgctggatca ggrcbgtctc tgaygaggac ytkgagtga gycctggga 3180
CEF94-A:   t..... .C..... .a.C..... .t..... c.t..... .ta..... 3180
D6948-A:   t..... .C..... .g.t..... .t..... c.t..... .ct..... 3180
TY89-A:   a..... .C..... .a.g..... .c..... t.g..... .ct..... 884

CONSENSUS: gtctcccgac accaccgcg caggygtgga caccaattmr kmmhtaswrm atycsaaatt 3240
CEF94-A:   ..... .C..... .t..... .t..... .cg gact..caac .c.C..... 3240
D6948-A:   ..... .C..... .C..... .C..... .cg gcc..caac .c.C..... 3240
TY89-A:   ..... .C..... .t..... .t..... .aa tcac..gtga .t.g..... 944

CONSENSUS: ggatccgttc gcgggtcccc 3260
CEF94-A:   ..... 3260
D6948-A:   ..... 3260
TY89-A:   ..... 964
```

FIG. 3A

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CONSENSUS: ggatacatg ggtctgacc tctgggagtc acgaattaac gtggctacta ggggygatrm 60
CEF94-B:  .....
D6948-B:  .....

CONSENSUS: ccrccgctrg ctgccacgtt agtggctcct cttcttgatg attctrccac catgagtgc 120
CEF94-B:  ..g.....g.
D6948-B:  ..a.....a.

CONSENSUS: rttttcaaya gtccacaggc gcgaagcamg atmtcagcag cgttcggcat aaagcctacw 180
CEF94-B:  a.....C.
D6948-B:  g.....t.

CONSENSUS: gctggacarg aygtggaaga actcytgatc cctaargtyt gggtgccacc tgaggatccs 240
CEF94-B:  .....a. .C.....
D6948-B:  .....g. .t.....

CONSENSUS: ytkgccagcc ctagtcgwct ggcmaagttc ctcagrgara acggctacaa rrttytgag 300
CEF94-B:  C.t.....
D6948-B:  t.g.....

CONSENSUS: ccacgggtctc trccygagaa tgaggagtat gagaccgayc aaatactccc wgacytagcw 360
CEF94-B:  .....g..C.....
D6948-B:  .....a..t.....

CONSENSUS: tggatgmgrc agatagargg rgctgtttta aaaccmacyc tatctctccc yattggagay 420
CEF94-B:  .....C.a.
D6948-B:  .....a.g.

CONSENSUS: caggagtact tcccwaarta ctaccaaca caycgcccka gcaaggaraa gcccaatgcg 480
CEF94-B:  .....
D6948-B:  .....

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FIG. 3B

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CONSENSUS: taccgccmg ayatcgcayt actcaagcag atgatyacy tgtttctcca ggttccmgag 540
CEF94-B:   ....a. .C.....C. ....t...C .....a... 540
D6948-B:   ....C. .t.....t. ....C...t .....C... 540

CONSENSUS: gccammgakr rcctwaarga tgargtmacc ctmytraccc aaaacatwag rgayaargcc 600
CEF94-B:   ...ac..gg g...a..g.. ...a..a... .ct.g.... .....a.. g..C..g... 600
D6948-B:   ...ca..ta a..t..a.. ..g..C... .ac.a.... .....t.. a..t..a... 600

CONSENSUS: tayggragtg ggacctacat gggacargcm acymgacttg tkgcyatgaa rgaggtygcc 660
CEF94-B:   ..t..a.... .....a.... .....a..a .tc..... .g..C.... g....C... 660
D6948-B:   ..C..g.... .....g..C .ca..... .t..t.... a.....t... 660

CONSENSUS: actggragaa acccaaaciaa rgatcctcta aagcttgggt acacytttga gacatmgcs 720
CEF94-B:   ....a.... .....g..... .....a..... .t.... .....C..g 720
D6948-B:   ....g.... .....a..... .....C..... .....a..C 720

CONSENSUS: cagctacttg acatcacwyt accggtaggc ccaccgggtg aggatgacaa gccctgggtr 780
CEF94-B:   .....ac.....ac..... .....a..... .....g 780
D6948-B:   .....tt..... .....a..... .....a 780

CONSENSUS: ccaactcaciaa grgtgccgctc amggatgttg gtwctgacgg gmgacgtaga tggsgamttt 840
CEF94-B:   .....a.....a..... .....a..... .....C..C... 840
D6948-B:   .....g.....a..... .....t..... .....g..a... 840

CONSENSUS: gaggttgarg aytaccttcc caaaatcaac ctcaagtcac caagtggact rccmtatgtw 900
CEF94-B:   .....a..t..... .....a..... .....a.....a 900
D6948-B:   .....g..C..... .....a..... .....g..C.....t 900

CONSENSUS: ggtcgcacca aaggagarac wattggsgag atgatatgcy tmtcraacca gtttctymga 960
CEF94-B:   .....g..a.....g..a..... .....t..C..a.... .....ca.. 960
D6948-B:   .....a..t.....g... .....C..a.g..... .....tc.. 960
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FIG. 3C

CONSENSUS:	gagctatcar	crcctgytgaa	gcarggtgca	gggacaaaarg	ggtcraacaa	gaagaagctr	1020
CEF94-B:	.....a	.a...t...	..a.....	.....g.	...a.....	.....a	1020
D6948-B:	.....g	.g...C....	..g.....	.....a.	...g.....	.....g	1020
CONSENSUS:	ctcagcatgy	taagtgacta	ytggtactta	tcatgygggc	ttttgtttcc	maaggctgar	1080
CEF94-B:	.....t	.....t...	.....C...	.....C...	.....a	.....a	1080
D6948-B:	.....C	.....C....	.....t....	.....t....	.....C	.....g	1080
CONSENSUS:	aggtacgaca	aaagyacatg	gctcaccaag	acccgkaaca	tatggtcagc	tccatcmcca	1140
CEF94-B:	.....	...t....	.....	...g....	.....	...C...	1140
D6948-B:	.....	...C....	.....	...t....	.....	...a...	1140
CONSENSUS:	acacacctca	tgatctcwat	gatmacctgg	cccgatgatgt	ccaayagccc	aaayaacgtg	1200
CEF94-B:	.....	.....t..	...C.....	.....	...C....	...t....	1200
D6948-B:	.....	.....a..	..a.....	.....	...t....	...C....	1200
CONSENSUS:	ttgaacattg	argggtgtcc	rtcactctac	aarttcaacc	cgttyagagg	wgggytraac	1260
CEF94-B:	.....	.a.....	a.....	..a.....	...C....	a...t.g...	1260
D6948-B:	.....	.g.....	g.....	..g.....	...t....	t...C.a...	1260
CONSENSUS:	aggatcgtsg	agtggtatawt	ggcyccggaw	gaacccaagg	cyytwgtata	tgckgacaac	1320
CEF94-B:	.....C	.....t..	...C.....	.....a	..tC.t....	...g.....	1320
D6948-B:	.....g	.....a..	..t.....	.....t	..ct.a....	...t....	1320
CONSENSUS:	atatacatgtg	tycactcmaa	cacgtggtac	tcaattgacc	tagagaagg	tgaggcacaac	1380
CEF94-B:	.....	.C.....	.....	.....	.....	.....	1380
D6948-B:	.....	.t.....C..	.....	.....	.....	.....	1380
CONSENSUS:	tgcackcgyc	aacacatgca	rgccgcmatg	tactacatmc	tyaccagagg	rtgggtcmgay	1440
CEF94-B:	.....t.C.	.....	a.....a...	.....a.	.C.....	g.....a..C	1440
D6948-B:	.....g.t.	.....	g.....C...	.....C.	.t.....	a.....C..t	1440
CONSENSUS:	aacggygacc	cmatgttcaa	tcaracatgg	gccacctttg	csatgaacat	tgccccwgct	1500
CEF94-B:	.....C....	.a.....	..a.....	.....	.C.....	.....t...	1500
D6948-B:	.....t....	.C.....	..g.....	.....	.g.....	.....a...	1500

FIG. 3D

CONSENSUS:	ctagtkgtgg	actcatcrtg	yctgatwatg	aacctkcara	tyaagacmta	tggtcaaggc	1560
CEF94-B:	....g....	....g....	C....a...	....g.a.	.t....C..	....	1560
D6948-B:	....t....	....a....	t....t...	....t.g.	.C....a..	....	1560
CONSENSUS:	agyggaatg	cagccacstt	catcaacaac	cayctyytka	gcacsctwgt	gctwgaccag	1620
CEF94-B:	..C.....	....g....	....c.ct.g.	....g.a..	....t.....	....	1620
D6948-B:	..t.....	....C....	....t.tc.t.	....C.t..	....a.....	....	1620
CONSENSUS:	tggaacytga	tgarrcarcc	yagwccagac	agcgargagt	tcaartcaat	tgargacaag	1680
CEF94-B:	....C....	...ga..g..	C..a.....	....g....	....a.....	...g.....	1680
D6948-B:	....t....	...ag..a..	t..t.....	....a....	....g.....	...a.....	1680
CONSENSUS:	ctrgggatca	acttyaagat	tgagagggtcc	attgatgaya	tyaggggcaa	gctsagacag	1740
CEF94-B:	..a..t....	....t....	....	....t..	.C.....	...g.....	1740
D6948-B:	..g..C....	....C....	....	....C..	.t.....	...C.....	1740
CONSENSUS:	cttgtccyc	ttgcacaacc	agggtacctg	agtggrrggg	tygaaccaga	rcaayccagc	1800
CEF94-B:	....t....	....	....	....g....	.t.....	a...t....	1800
D6948-B:	....C..:	....	....	....a....	.C.....	g...C.....	1800
CONSENSUS:	ccaaactgtwg	agctkgacct	actmggrtgg	twgcwacwt	acagcaaaga	tctyggggtc	1860
CEF94-B:	....t....	....t....	...a..g...	...a..t..a.	....	...C.....	1860
D6948-B:	....a....	....g....	...C..a...	...t..a..t.	....	...t.....	1860
CONSENSUS:	tatgtgccgg	tgcttgacaa	ggaacgcyta	tttgytctg	ctgcgtatcc	caarggrgta	1920
CEF94-B:	....	....	....C..	....t....	....	...g..a...	1920
D6948-B:	....	....	....t..	....C....	....	...a..g...	1920
CONSENSUS:	gagaayaara	gyctcaartc	caargtyggg	atcgagcarg	catacaargt	wgtcagggtay	1980
CEF94-B:	....C..g..	.t....g...	...a..C...	....g....g.	....g...	a.....t	1980
D6948-B:	....t..a..	.C....a...	...g..t...	....a....a.	....a...	t.....c	1980
CONSENSUS:	gaggcggtga	ggttggttag	tggttggaac	taccactcc	tgaacaaagc	ytgcaagaay	2040
CEF94-B:	....	....	....	....	....	c.....t	2040
D6948-B:	....	....	....	....	....	t.....c	2040

FIG. 3E

CONSENSUS:	aaygcargyg	cmgctcggcg	gcattctggag	gccaaggggt	tccrcctcga	ygagttcctm	2100
CEF94-B:	.C..g.C.	.C.....	.....	.....	...a....	C.....a	2100
D6948-B:	.t...a.t.	.a.....	.....	.....	...g....	t.....c	2100
CONSENSUS:	gccgagtgg	cwgagytgtc	mgatttcggw	gargcyttcg	aaggcttcaa	yatcaagctg	2160
CEF94-B:	.....	.t..C...	a.....t	.g..C...	.....	t.....	2160
D6948-B:	.....	.a..t....	C.....a	.a..t....	.....	C.....	2160
CONSENSUS:	acmgtaacay	ckgagagcct	mgccgaactk	aacarrrccag	taccccccaa	rcocyccaaat	2220
CEF94-B:	.C.....t	.t.....	a.....g	...ag...	.....	g..C.....	2220
D6948-B:	.a.....C	.g.....	C.....t	...ga...	.....	a..t.....	2220
CONSENSUS:	gtcaacagac	cagtcaacac	yggkgggrctm	aaggcagtc	gcaaygccct	caagaccggy	2280
CEF94-B:	.....	.....	t..g..a..C	.....	...C....	.....t	2280
D6948-B:	.....	.....	c..t..g..a	.....	...t....	.....c	2280
CONSENSUS:	cggtayagra	aygaagccgg	actragtgy	ctcgtctctyc	tagccacmgc	mmgmagccgw	2340
CEF94-B:	....C..g.	.C.....	..g.....t	.....t.	.....a..	aa.a.....t	2340
D6948-B:	....t..a.	.t.....	..a.....C	.....C.	.....C..	cc.C.....a	2340
CONSENSUS:	ctrcargayg	cagtyaaggc	caaggcagar	gccgagaaac	tccacaagtc	yaagccmgay	2400
CEF94-B:	.g..a..t.	...t....	.....a	.....	.....	C....a..C	2400
D6948-B:	.a..g..C.	...C....	.....g	.....	.....	t.....C..t	2400
CONSENSUS:	gaccccgatg	cagactgggt	ygaamgrtca	gaaacyctgt	cagacctkct	ggagaaagcc	2460
CEF94-B:	.....	.....	C..a.a..	....t....	.....t..	.....	2460
D6948-B:	.....	.....	t...C.g..	....C....	.....g..	.....	2460
CONSENSUS:	gacatygcc	gcaaggctgc	ycactcagca	ctcgtggaaa	caagcgacgc	ycttgaagcr	2520
CEF94-B:	....C...	.....	C.....	.....	.....	C.....a	2520
D6948-B:	....t....	.....	t.....	.....	.....	t.....g	2520
CONSENSUS:	gtycagtcra	cytcmtgtga	cacyccmaag	taccagarg	tyaagaaccc	acagaccgcc	2580
CEF94-B:	.t.....g.	.t..C....	...t..C...	.....a.	.C.....	.....	2580
D6948-B:	.C.....a.	.C.a.....	...C.a..	.....g.	.t.....	.....	2580

FIG. 3F

```

CONSENSUS: tccaaccccg ttgttgggct ccacctgccc gccaaagarg ccaccggtgt ccaggcmgct 2640
CEF94-B:   .....C... 2640
D6948-B:   .....a... 2640

CONSENSUS: cttctcggag caggracgag cagaccaatg gggatggagg cyccaacacg gtccaagaac 2700
CEF94-B:   .....C... 2700
D6948-B:   .....t... 2700

CONSENSUS: gccgtgaaaa tggccaaaamg gcggcaacgc caaaargaga gccgccaaaya gccatgatgg 2760
CEF94-B:   .....C... 2760
D6948-B:   .....a... 2760

CONSENSUS: gaaccactca agaagaggac actaayccca gaccccgatat ccccggcctt cgctgcggg 2820
CEF94-B:   .....t... 2820
D6948-B:   .....C... 2820

CONSENSUS: ggccccc 2827
CEF94-B:   ..... 2827
D6948-B:   ..... 2827
```

FIG. 4A

CONSENSUS:	MTNLQDQTQQ	IVPFIRSLM	PTTGPASIPD	DTLEKHTLRS	ETSTYNLTVG	DTGSGLIVFF	60
CEF94-PP:	.....	.....	.....	.....	.....	.....	60
D6948-PP:	.....	.....	.....	.....	.....	.....	60
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	PGFPGSIVGA	HYTLQSNNGNY	KFDQMLLTAQ	NLPASYNKYCR	LVSRSLTVRS	STLPGGVYAL	120
CEF94-PP:	.....	.....	.....	.....	.....	.....	120
D6948-PP:	.....	.....	.....	.....	.....	.....	120
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	NGTINAVTFQ	GSLSELTQVS	YNGLMSATAN	INDKIGNVLV	GEGVTVLSTP	TSYDLGYVRL	180
CEF94-PP:	.....	.....	.....	.....	.....	.....	180
D6948-PP:	.....	.....	.....	.....	.....	.....	180
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	GDPIPAIGLD	PKMVATCDSS	DRPRVYTITA	ADDYQFSSQY	Q.GGVTITLF	SANIDAITSL	240
CEF94-PP:	.....	.....	.....	.....	P.....	.....	240
D6948-PP:	.....	.....	.....	.....	A.....	.....	240
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	S.GGELVFQT	SV.GL.LGAT	IYLIGFDGTA	VITRAVAA.N	GLT.GTDNL.	PFN.VIPT.E	300
CEF94-PP:	.V.....	.H..V....	.....	.....N.	..T....L	..L....N.	300
D6948-PP:	.I.....	.Q..I....	.....	.....D.	..A....M	..I....S.	300
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	ITQPIITSIKL	EIVTSKSGGQ	AGDQMSWSA.	GSLAVTIHGG	NYPGALRPVT	LVAYERVATG	360
CEF94-PP:	.....	.....	.....R	.....	.....	.....	360
D6948-PP:	.....	.....	.....S	.....	.....	.....	360
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	SVVTVAGVSN	FELIPNPELA	KNLVTEYGRF	DPGAMNYTKL	ILSERDRLGI	KTVWPTREYT	420
CEF94-PP:	.....	.....	.....	.....	.....	.....	420
D6948-PP:	.....	.....	.....	.....	.....	.....	420
TY89-PP:	-----	-----	-----	-----	-----	-----	

FIG. 4B

CONSENSUS:	DFREYFMEVA	DLNSPLKIAG	AFGFKDIIRA	.RRIAVPVVS	TLFPPAAPLA	HAIGEGVDYL	480
CEF94-PP:	.....	.....	I.....	.....	.....	.....	480
D6948-PP:	.....	.....	L.....	.....	.....	.....	480
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	LGDEAQAASG	TARAASGKAR	AASGRIRQLT	LAADKGYEVV	ANLFQVPQNP	VVDGILASPG	540
CEF94-PP:	.....	.....	.....	.....	.....	.....	540
D6948-PP:	.....	.....	.....	.....	.....	.....	540
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	.LRGAHNLDL	VLREGATLFP	VVITTVEDAM	TPKALNSKMF	AVIEGVREDL	QPPSQRGSFI	600
CEF94-PP:	V.....	.....	.....	.....	.....	.....	600
D6948-PP:	I.....	.....	.....	.....	.....	.....	600
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	RTLSGHRVYG	YAPDGVLPLE	TGRDVTVPPI	DDVWDDSIML	SKDPIPIVG	NSGNLAIAYM	660
CEF94-PP:	.....	.....	.....	.....	.....	.....	660
D6948-PP:	.....	.....	.....	.....	.....	.....	660
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	DVFRPKVPIH	VAMTGALNA.	GEIE.VSFRS	TKLATAHRLG	LKLAGPGAFD	VNTG.NWATF	720
CEF94-PP:	.....	.....C	K.....	.....	.....P	.....	720
D6948-PP:	.....	.....Y	N.....	.....	.....S	.....	720
TY89-PP:	-----	-----	-----	-----	-----	-----	
CONSENSUS:	IKRFPHNPRD	WDRLPYLNLP	YLPNAGRQY	HLAMAASEFK	ETPELES AVR	AMEAAANVDP	780
CEF94-PP:	.....	.....	.....	.....	.....	.....	780
D6948-PP:	.....	.....	.....D	.....	.....	.....	780
TY89-PP:	--.....	.....	T.....F	L.....	.....D	.....D	58
CONSENSUS:	LFQSALSVFM	WLENGIVTD	MANFALSDPN	AHRMRNFLAN	APQAGSKSQR	AKYGTAGYGV	840
CEF94-PP:	.....	.....	.....	.....	.....	.....	840
D6948-PP:	.....	.....	.....	.....	.....	.....	840
TY89-PP:	.R...Q...	.....	.....	.....K	.....	.....	118

FIG. 4C

CONSENSUS:	EARGPTPEEA	QREKDTTRISK	KMETMGIYFA	TPEWVALNGH	RGSPGQLKY	WQNTREIPDP	900
CEF94-PP:	.....	.....	.....	.....	.....	.....	900
D6948-PP:	.....	.....	.....	.....	.....	.....	900
TY89-PP:	.....	.....	.....	.....	.....	.....E.	178
CONSENSUS:	NEDYLDYVHA	EKSRLASEEQ	ILRAATSIYG	APQQAEPPOA	FIDEVAKVYE	INHGRGPNQE	960
CEF94-PP:	.....	.....	.....	.....	.....	.....	960
D6948-PP:	.....	.....	.....	.....	.....	.....	960
TY89-PP:	...P.....	.....	V.....	.....	.....R.....	.....	238
CONSENSUS:	QMKDLLLTAM	EMKHRNPRRA	PPKPKPKPNA	PTQRPPEGRLG	RWIRTVSDED	LE	1012
CEF94-PP:	.....	.....	L.....	.....	.....	..	1012
D6948-PP:	.....	.....	.....	.....	.....A.....	..	1012
TY89-PP:	.....	.....	.....	S.....	.....	..	290

FIG. 5A

CONSENSUS:	MSD.FNSPQA	RS.ISAAFGI	KPTAGQDVEE	LLIPKVVVPP	EDPLASPSRL	AKFLRENGYK	60
CEF94-VP1:	. . . I . . . . .	. . . T . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	60
D6948-VP1:	. . . V . . . . .	. . . K . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	60
CONSENSUS:	.LQPRSLPEN	EEYETDQILP	DLAWMRQIEG	AVLKPTLSLP	IGDQEYFPKY	YPTHRPSKEK	120
CEF94-VP1:	V . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	120
D6948-VP1:	I . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	120
CONSENSUS:	PNAYPPDIAL	LKQMIYLFLO	VPEA...LKD	EVTLTQNIR	DKAYGSGTYM	GQATRLVAMK	180
CEF94-VP1:	. . . . .	. . . . .	. . . NEG . . . . .	. . . . .	. . . . .	. . . . .	180
D6948-VP1:	. . . . .	. . . . .	. . . TDN . . . . .	. . . . .	. . . . .	. . . . .	180
CONSENSUS:	EVATGRNPKN	DPLKLGTYFE	SIAQLLDITL	PVGPPGEDDK	PWVPLTRVPS	RMLVLTGDVD	240
CEF94-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	240
D6948-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	240
CONSENSUS:	G.FEVEDYLP	KINKSSSGL	PYVGRTKGET	IGEMIAISNQ	FLRELS.LLK	QGAGTKGSNK	300
CEF94-VP1:	. D . . . . .	. . . . .	. . . . .	. . . . .	. . . . T . . . .	. . . . .	300
D6948-VP1:	. E . . . . .	. . . . .	. . . . .	. . . . .	. . . . A . . . .	. . . . .	300
CONSENSUS:	KKLLSMLSDY	WYLSGGLLFP	KAERYDKSTW	LTKTRNIWSA	PSPTHLMISM	ITWPVMSNSP	360
CEF94-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	360
D6948-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	360
CONSENSUS:	NNVLNIEGCP	SLYKFNPFRRG	GLNRIVEWI .	AP.EPKALVY	ADNIYIVHSN	TWYSIDLEKG	420
CEF94-VP1:	. . . . .	. . . . .	. . . . . L . . E . . . . .	. . . . .	. . . . .	. . . . .	420
D6948-VP1:	. . . . .	. . . . .	. . . . . M . . D . . . . .	. . . . .	. . . . .	. . . . .	420
CONSENSUS:	EANCTRQHMQ	AAMYIILTRG	WSDNGDPMFN	QTWATFAMNI	APALVVDSSC	LIMNLQIKTY	480
CEF94-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	480
D6948-VP1:	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	480
CONSENSUS:	GQSGCNAATF	INNHLSTLV	LDQWNLM.QP	.PDSEEFKSI	EDKLGINFKI	ERSIDDIRGK	540
CEF94-VP1:	. . . . .	. . . . .	. . . . . R . . . . .	. . . . .	. . . . .	. . . . .	540
D6948-VP1:	. . . . .	. . . . .	. . . . . K . . S . . . . .	. . . . .	. . . . .	. . . . .	540

FIG. 5B

CONSENSUS:	LRQLV.LAQP	GYLGGVEPE	Q.SPTVELDL	LGWSATYSKD	LGIYVPVLDK	ERLFCSAAYP	600
CEF94-VP1:	.....L....	.....S....	.....	.....	.....	.....	600
D6948-VP1:	.....P....	.....P....	.....	.....	.....	.....	600
CONSENSUS:	KGVENKSLKS	KVGIEQAYKV	VRYEALRLVG	GWNYPPLLKA	CKNNA.AARR	HLEAKGFPLD	660
CEF94-VP1:	.....	.....	.....	.....G....	.....	.....	660
D6948-VP1:	.....	.....	.....S....	.....	.....	.....	660
CONSENSUS:	EFLAEWSELS	EFGEAFEGFN	IKLTVT.ESL	AELN.PVPPK	PPNVNRPVNT	GGLKAVSNAL	720
CEF94-VP1:	.....	.....S....	.....K....	.....	.....	.....	720
D6948-VP1:	.....	.....P....	.....R....	.....	.....	.....	720
CONSENSUS:	KTGRYRNEAG	LSGLVLLATA	RSRLQDAVKA	KAEAEKLLHKS	KPDDDPDADWF	ERSETLSDLL	780
CEF94-VP1:	.....	.....	.....	.....	.....	.....	780
D6948-VP1:	.....	.....	.....	.....	.....	.....	780
CONSENSUS:	EKADIASKVA	HSALVETSDA	LEAVQSTSVY	TPKYPEVKNP	QTASNPPVVGL	HLPAKRATGV	840
CEF94-VP1:	.....	.....	.....	.....	.....	.....	840
D6948-VP1:	.....	.....	.....	.....	.....	.....	840
CONSENSUS:	QAALLGAGTS	RPMGMEAPTR	SKNAVKNMAKR	RQRQKESRQ.	.		881
CEF94-VP1:	.....	.....	.....	.....Q	P		881
D6948-VP1:	.....	.....	.....	.....	-		879

FIG. 6

CONSENSUS:	MVSRDQTNDR	SDD.PARSNP	TDCSVHTEPS	DANNRTGVHS	GRHP.EAHSQ	VRDLDLQFDC	60
D6948-VP5:	.....	E.....	.....	.....	R.....	.....	60
CEF94-VP5:	.....	K.....	.....	.....	G.....	.....	60
CONSENSUS:	GCHRVNANCL	FPW.PWLNCG	CSLHTAEQWE	LQVRSDAPDC	PEPTGQLQLL	QASESESHSE	120
D6948-VP5:	.....	F.....	.....	.....	.....	.....	120
CEF94-VP5:	.....	I.....	.....	.....	.....	.....	120
CONSENSUS:	VKHT.WWRLC	TK.HHKRRDL	PRKPE				145
D6948-VP5:	....P.....	..W.....	.....				145
CEF94-VP5:	....S.....	..R.....	.....				145

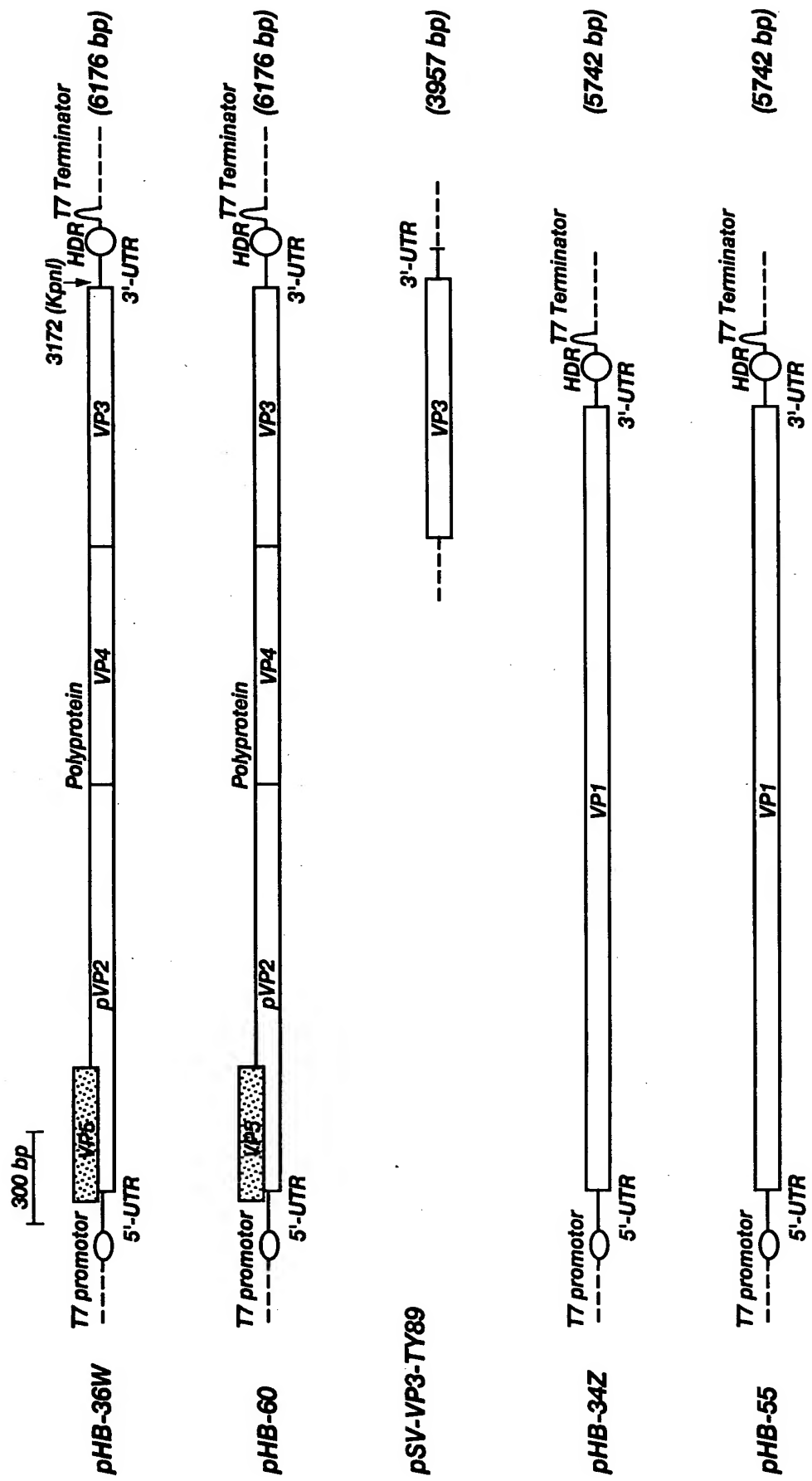


FIG. 7

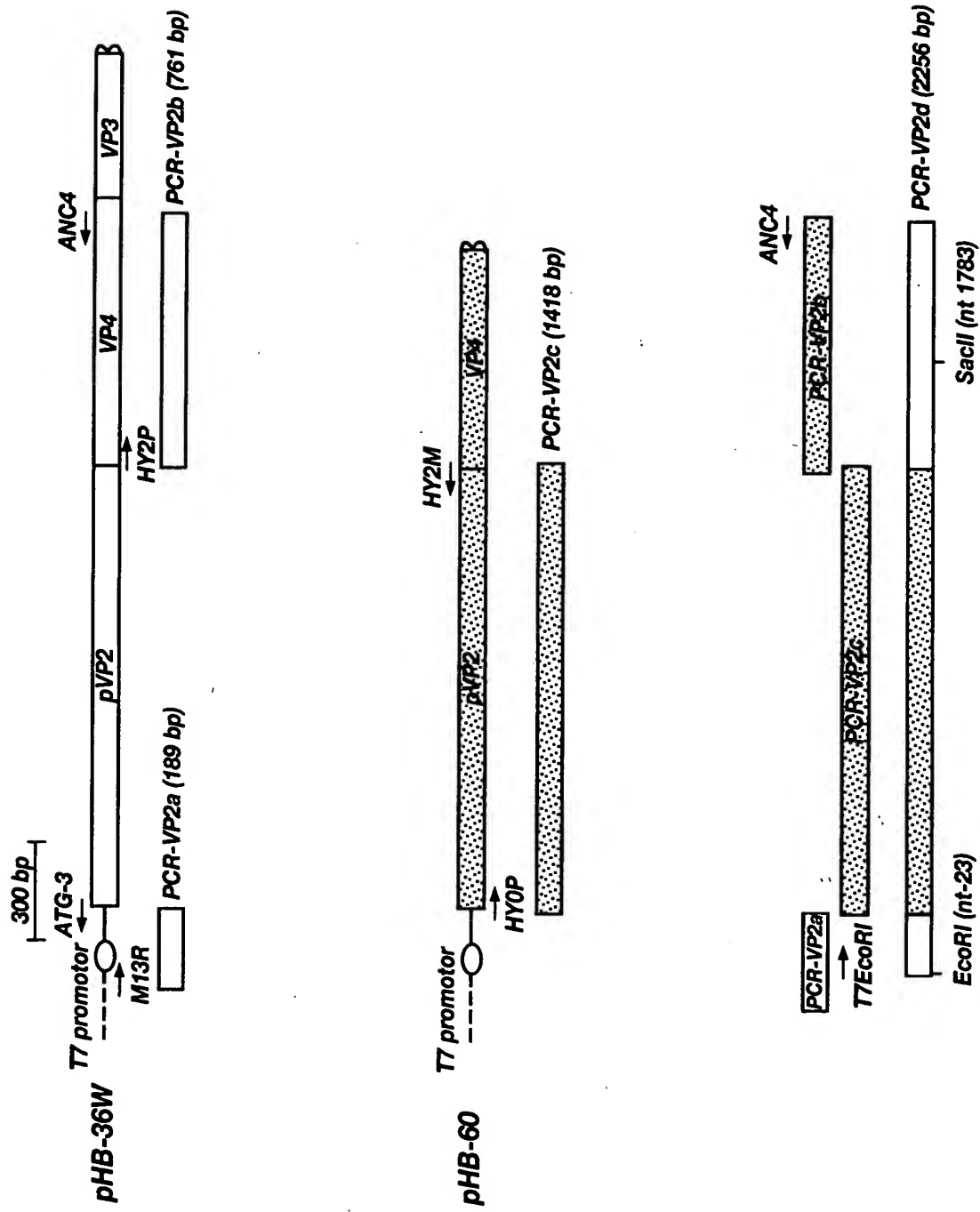


FIG. 8A

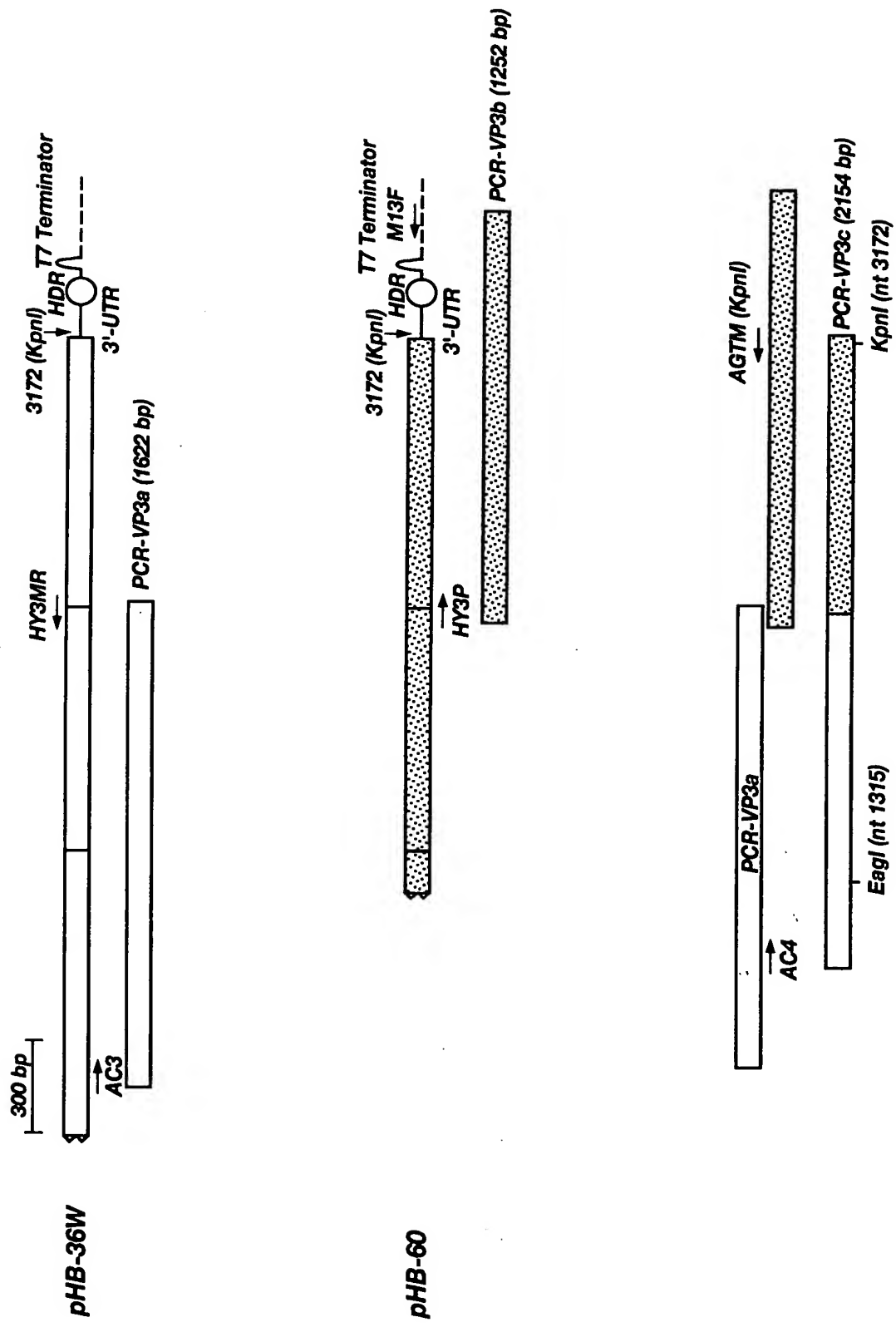


FIG. 8B

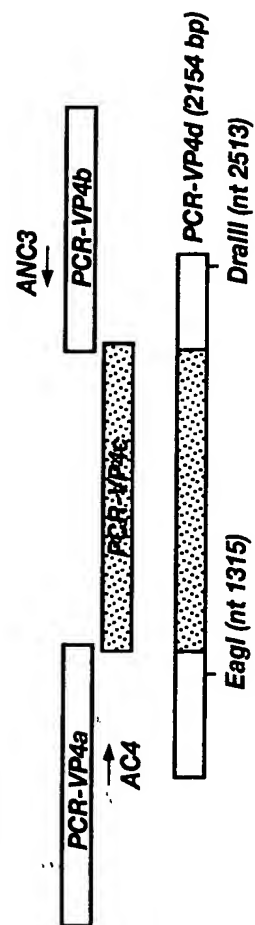
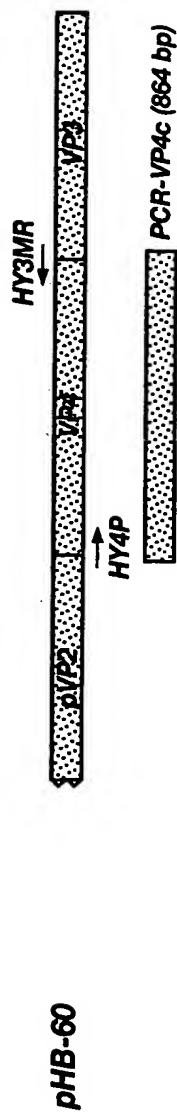
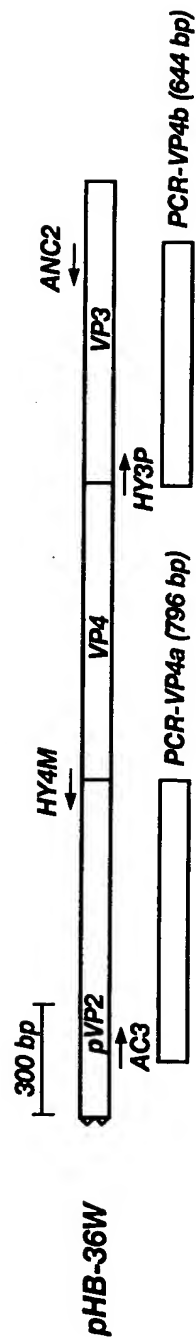


FIG. 8C

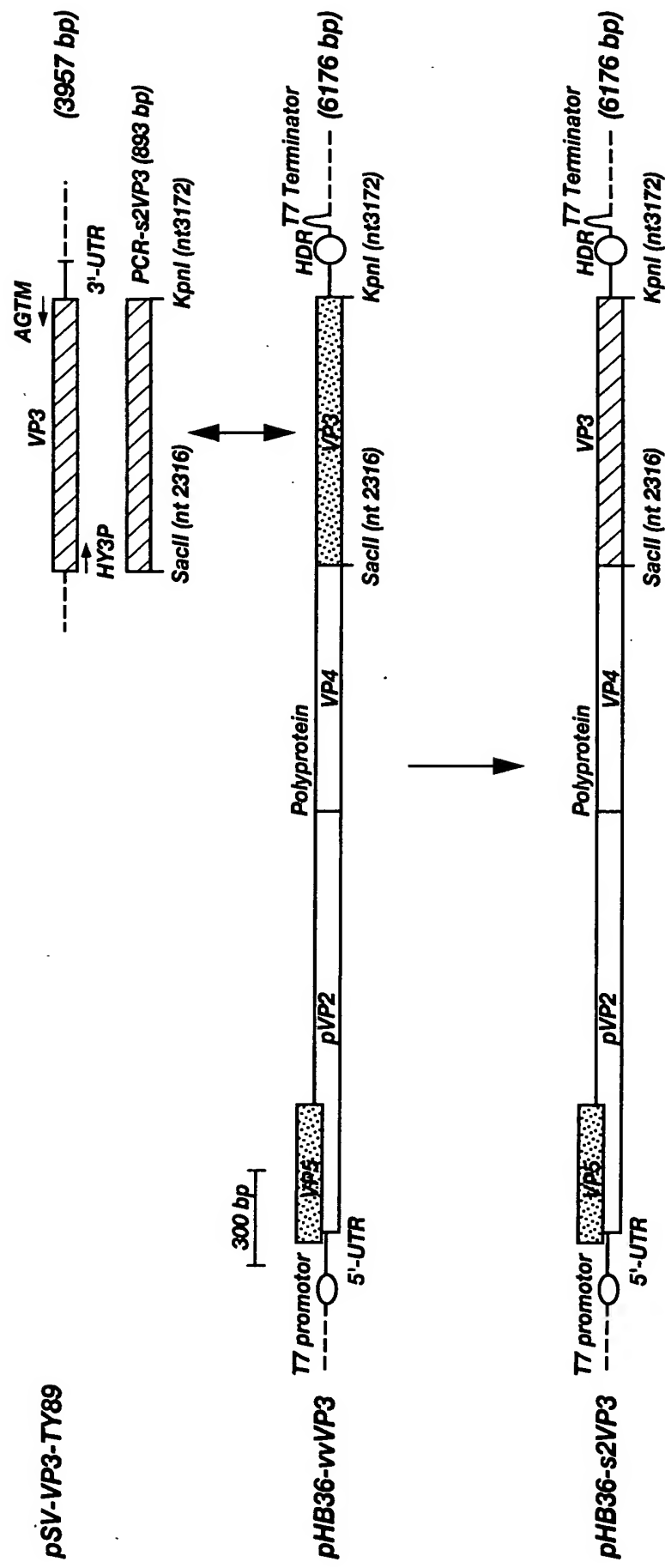


FIG. 8D

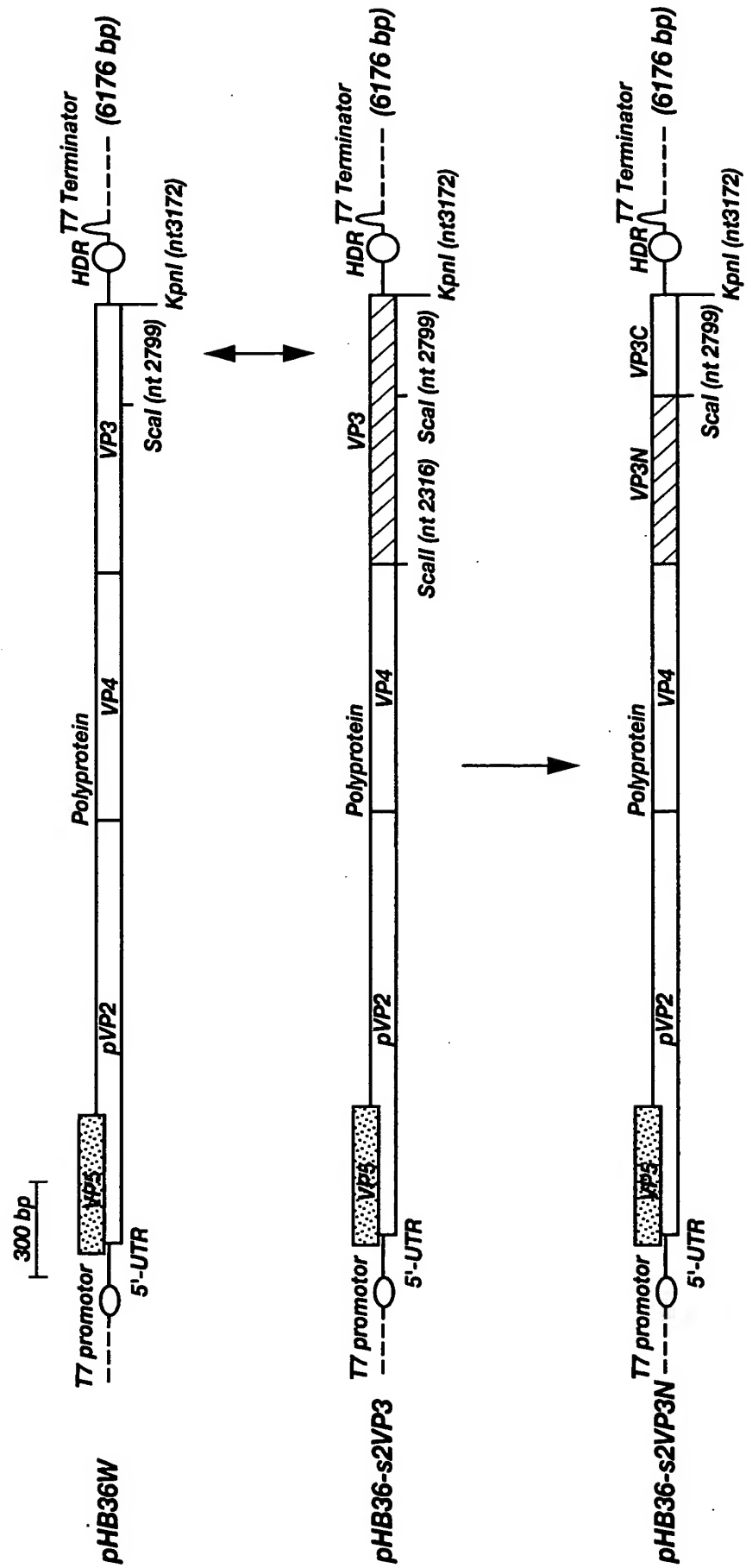


FIG. 8F

VP4 ← VP3
 ↓ SacII
 CEF94-PP: 724-FPHNPRD WDRLPYINLP YLPPNAGRQY HLA MAASEFK ETPELESVR AMEAAANVDP 780
 TY89-PP: 724-..... T.....F ...L.....D... ..D..... 780

 CEF94-PP: LFQSALSVFM WLEENGIVTD MANFALSDPN AHRMRNFLAN APQAGSKSQR AKYGTAGYGV 840
 TY89-PP: ..R...Q... ..K..... ..D..... 840

 CEF94-PP: EARGTPPEEA QREKDRISK KMETMGIYFA TPEWVALNGH RGPSPGQLKY WQNTREIPDP 900
 TY89-PP: V..... ..R... ..E. 900

 CEF94-PP: NEDYLDYVHA EKSRLASEEQ ILRAATSIYG AFGQAEPPOA FIDEVAKVYE INHGRGPNQE 960
 TY89-PP:P..... V..... ..R... ..E. 960

 CEF94-PP: QMKDLLLTAM EMKHRNPRRA LPKPKPKPNA PTQRPPGRLG RWIRTVSDLE 1012
 TY89-PP: P..... .S..... .. 1012

FIG. 9

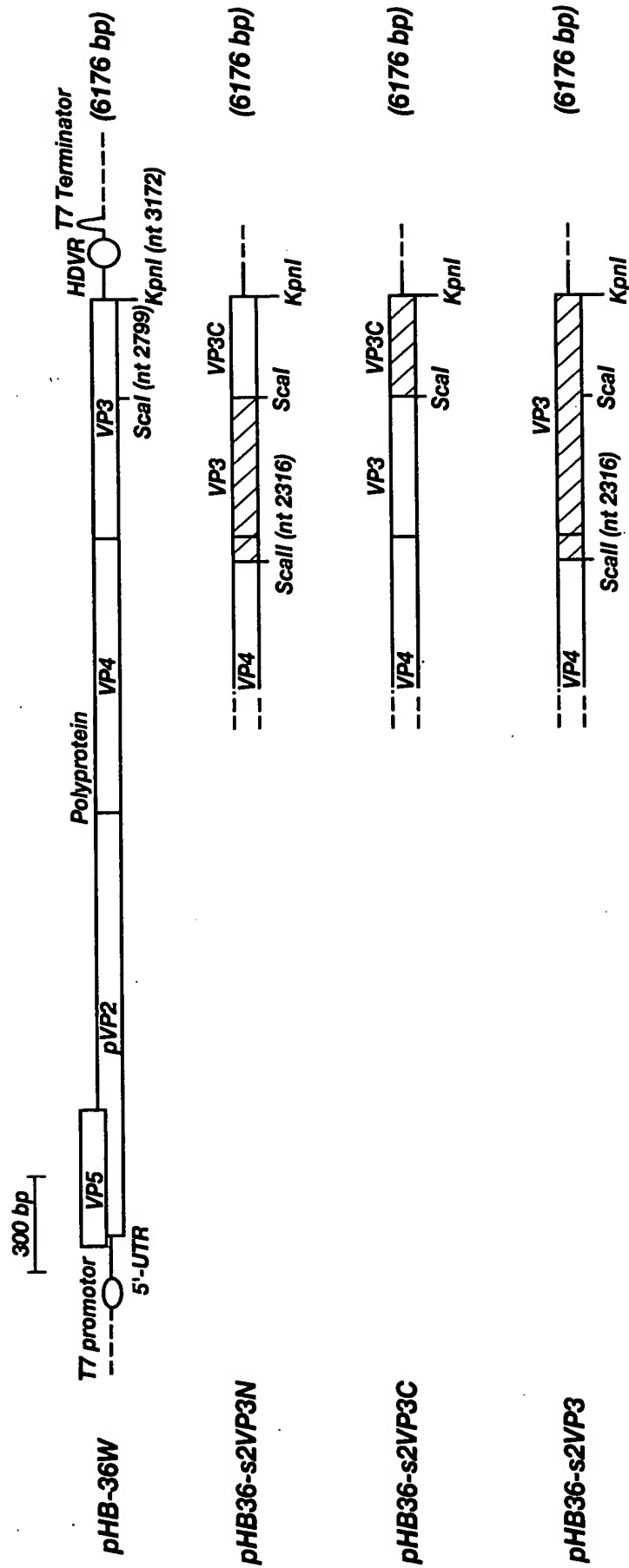


FIG. 10

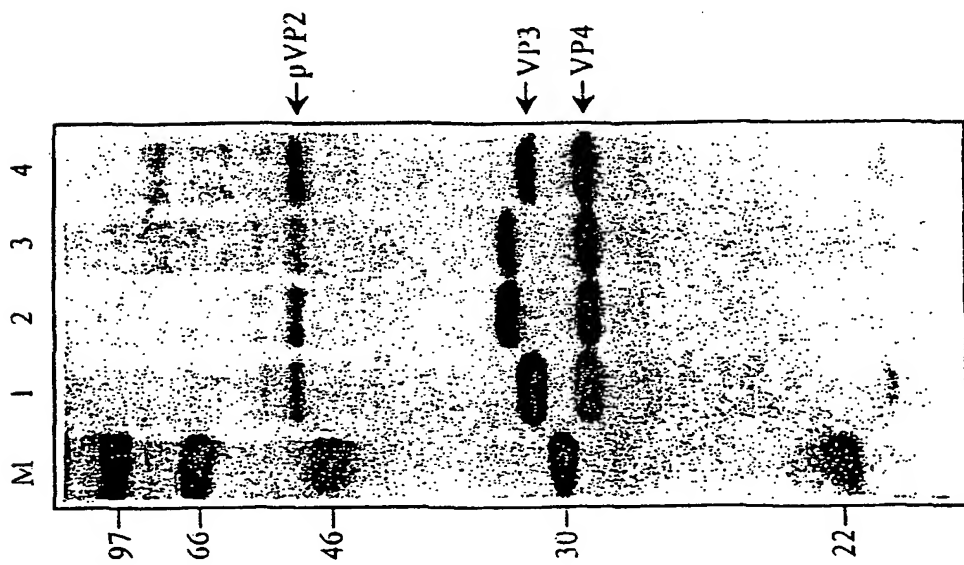


FIG. 11A

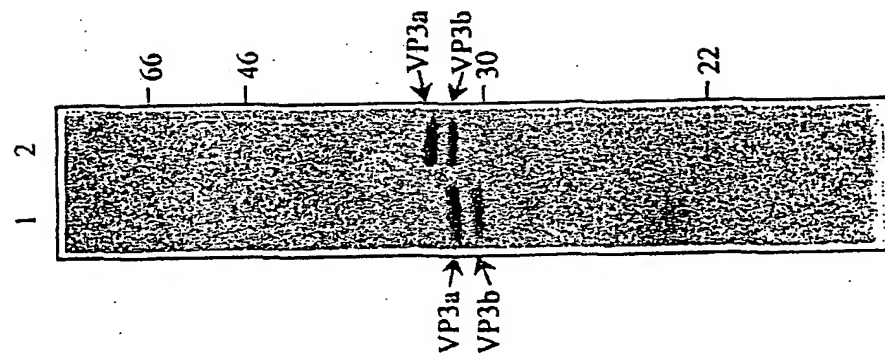


FIG. 11B

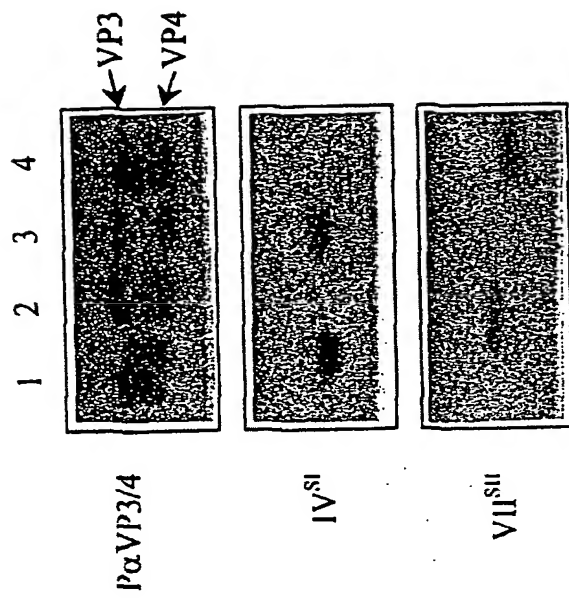


FIG. 11C

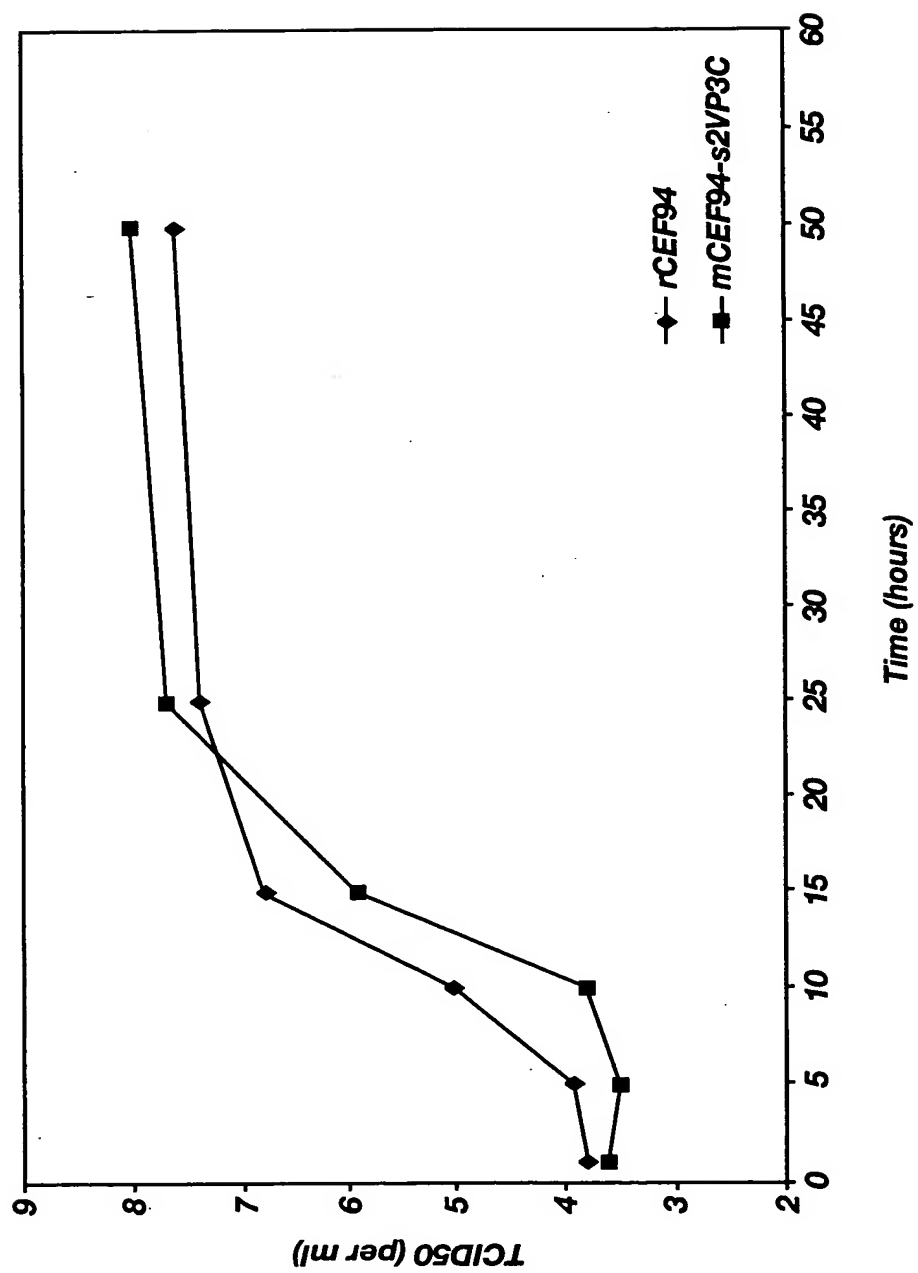


FIG. 12

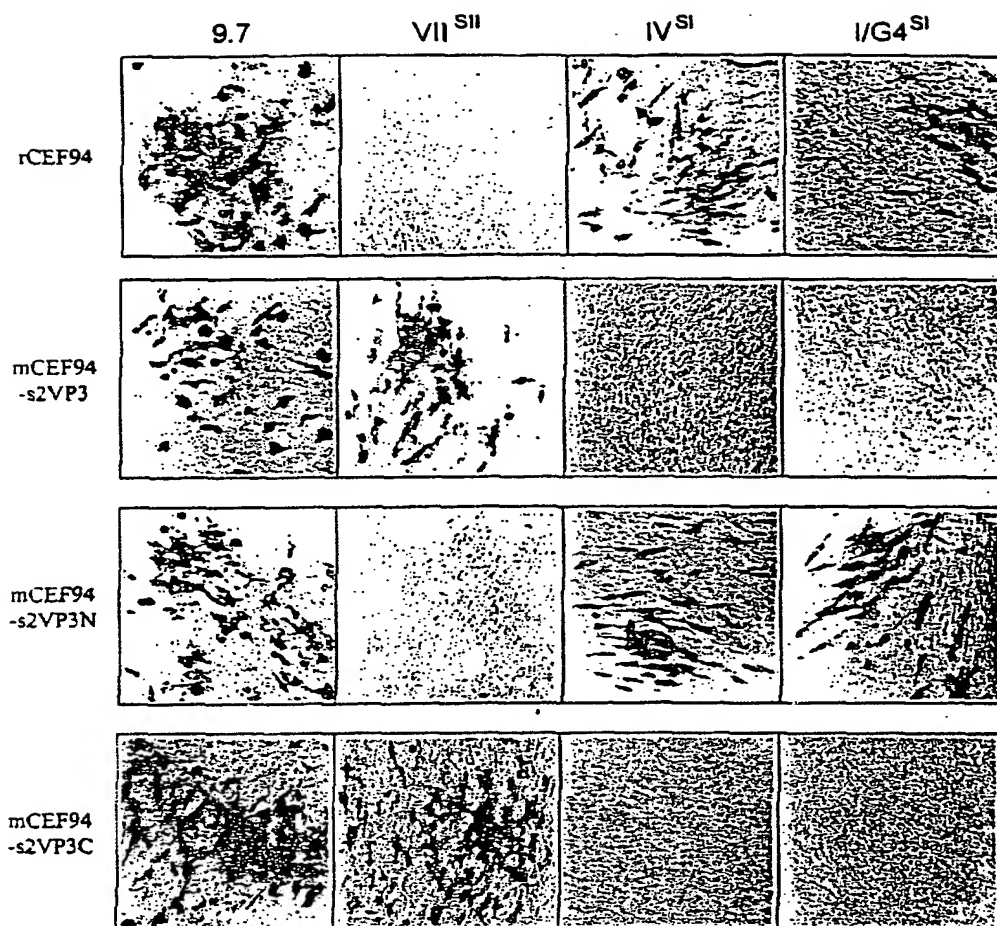


FIG. 13

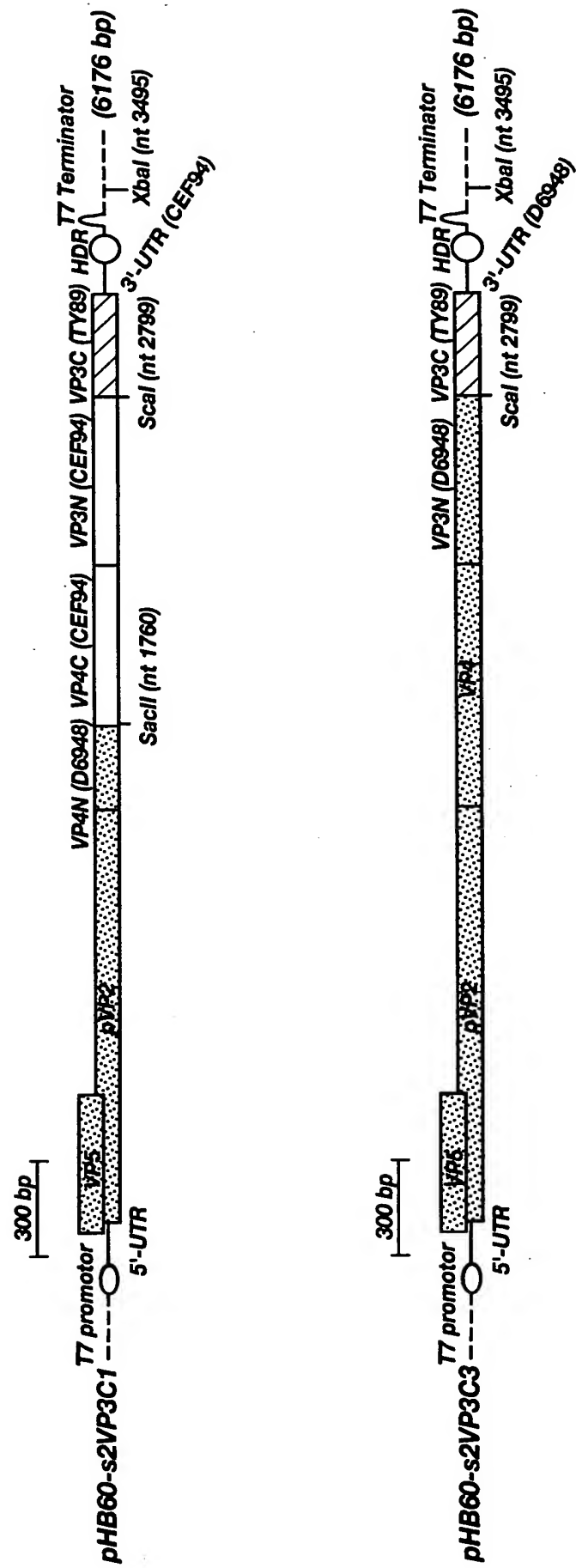


FIG. 14

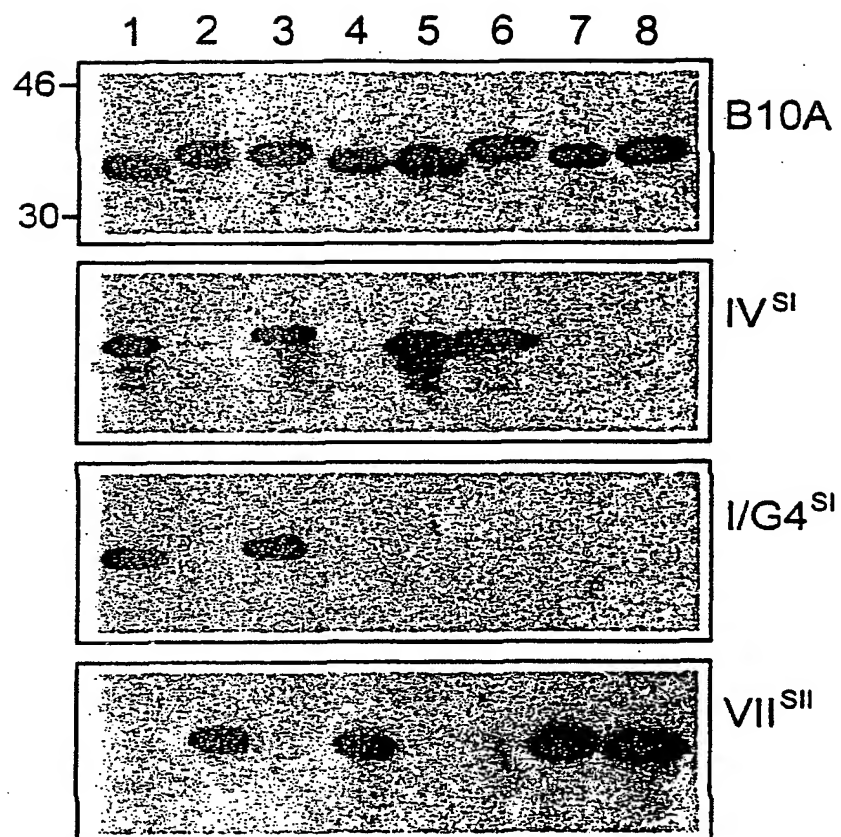


FIG. 15

VP4 ← VP3
 ↙ SacII
 CEF94-PP: 724-FPHNPRD WDRLPYLNLP YLPPNAGRQY HLAMAASEFK ETPELESVR AMEAAANVDP 780
 D6948: D.....
 TY89-PP: 724-.....T....F...L.....D... ..D..... 780

CEF94-PP: LFQSALSVM WLEENGIVTD MANFALSDPN AHRMRNFLAN APQAGSKSQ AKYGTAGYGV 840
 D6948:
 TY89-PP: ..R...Q.....K..... 840

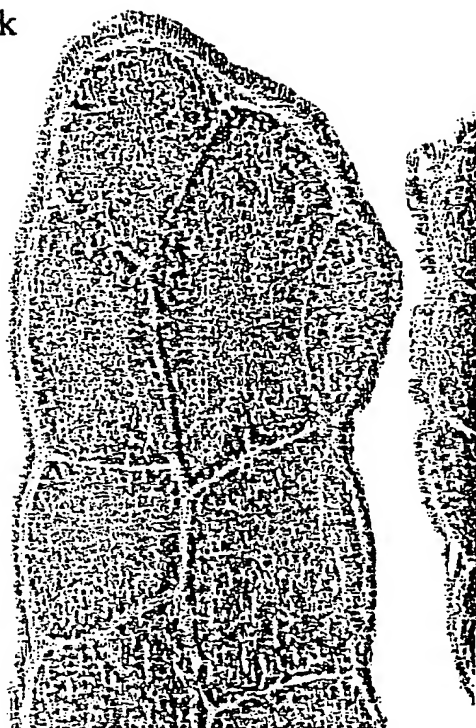
↙ SacI
 CEF94-PP: EARGPTPEEA QREKDTRISK KMETMGIYFA TPEWVALNGH RGSPGQLKY WQNTREIPDP 900
 D6948:
 TY89-PP:E. 900

CEF94-PP: NEDYLDYVHA EKSRLASEEQ ILRAATSIYG APQAEPPQA FIDEVAKVE INHGRGNQE 960
 D6948:P.....V.....R..... 960
 TY89-PP:

CEF94-PP: QMKDLLLTAM EMKHRNPRRA LPKPKPKPNA PTQRPGRGLG RWIRTVSEDE LE 1012
 D6948:P.....A..... 1012
 TY89-PP:S..... 1012

FIG. 16

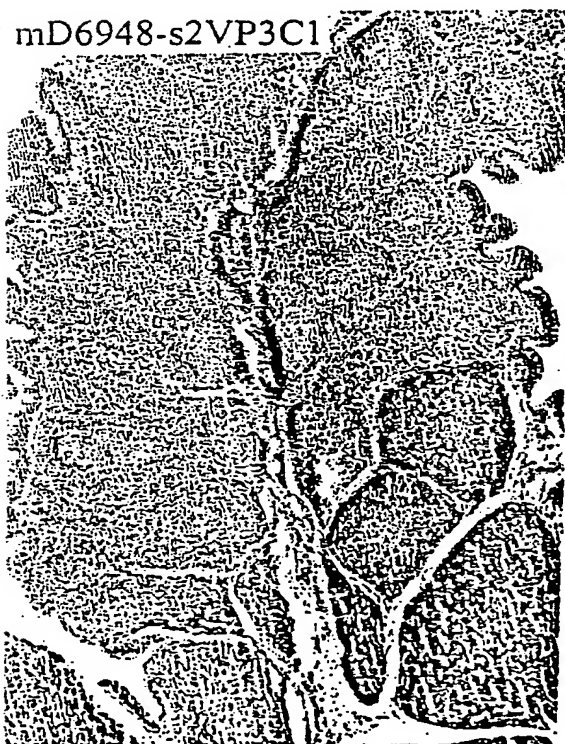
Mock



D6948



mD6948-s2VP3C1



mD6948-s2VP3C3

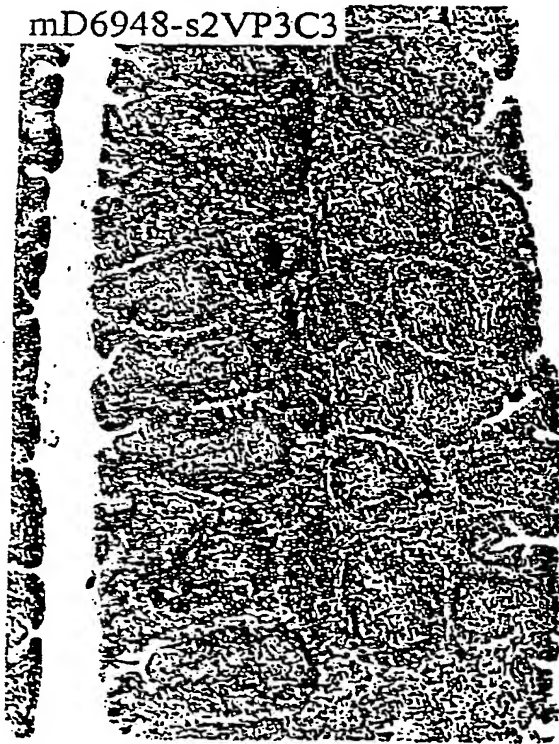


FIG. 17

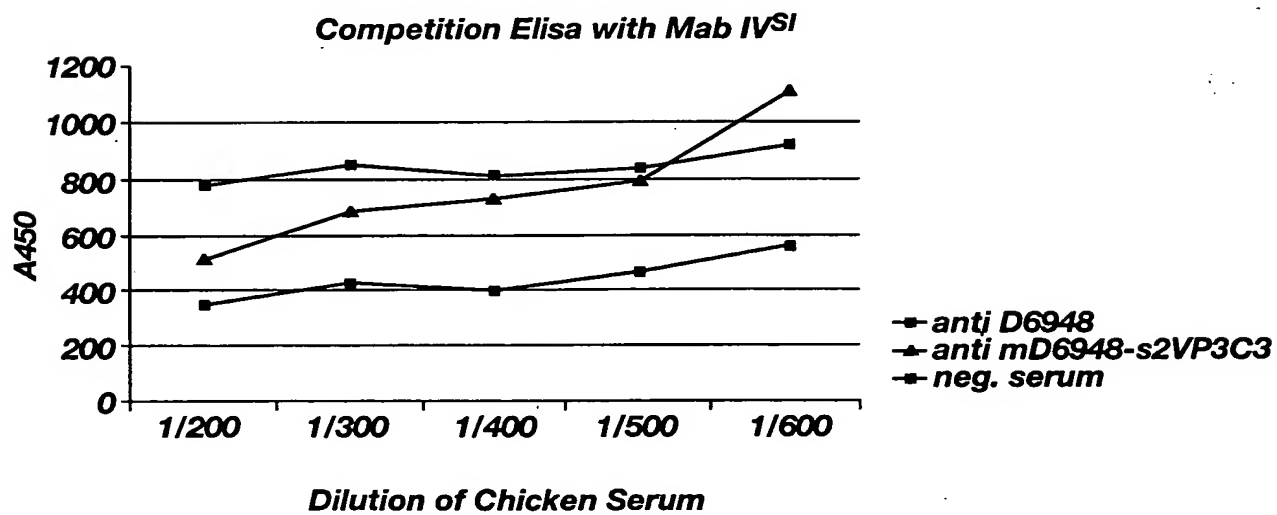
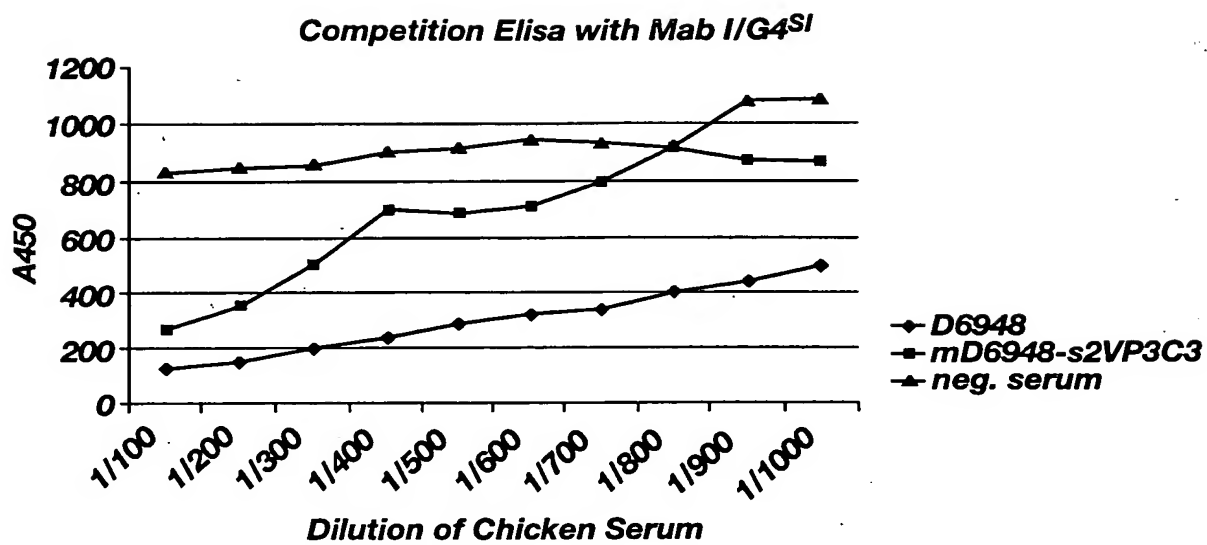


FIG. 18

FIG. 19

D6948-VP5:	MLSLMVSRDQ	TNDRSDDEPA	RSNPTDCSVH	TEPSDANNRT	GVHSGRHPRE	AHSQVRDLDL	60
CEF94-VP5:	----	.....K..	.....	.....	.....G.	.....	56
D6948-VP5:	QFDCGGHRVR	ANCLFPWF PW	LNCGCSLHTA	EQWELQVRSD	APDCPEPTGQ	LQLLQASESE	120
CEF94-VP5:	.....	.....I..	.....	.....	.....	.....	116
D6948-VP5:	SHSEVKHTPW	WRLCTKWHHK	RRDLPRKPE				149
CEF94-VP5:	.....S.	.....R...	.....				145

FIG. 20A

D6948-PP: CEF94-PP:	MTNLQDQTQQ	IVPFIRSLLM	PTTGPASIPD	DTLEKHTLRS	ETSTYNLTVG	DTGSGLIVFF	60 60
D6948-PP: CEF94-PP:	PGFPGSIVGA	HYTLQSNQNY	KFDQMLLTAQ	NLPASYNYCR	LVSRLTVRS	STLPGGVYAL	120 120
D6948-PP: CEF94-PP:	NGTINAVTFQ	GSLSELTQVS	YNGLMSATAN	INDKIGNVLV	GEGVTVLSTP	TSYDLGYVRL	180 180
D6948-PP: CEF94-PP:	GDPIPAIGLD	PKMVATCDSS	DRPRVYTITA	ADDYQFSSQY	QAGGVTTITF	SANIDAITSL	240 240
D6948-PP: CEF94-PP:	SIGGELVFQT	SVQGLILGAT	IYLIGFDGTA	VITRAVAADN	GLTAGTDNLM	PFNIVIPTSE	300 300
D6948-PP: CEF94-PP:	ITQPITSIKL	EIVTSKSGGQ	AGDQMSWSAS	GSLAVTIHGG	NYPGALRPVT	LVAYERVATG	360 360
D6948-PP: CEF94-PP:	SVVTVAGVSN	FELIPNPELA	KNLVTEYGRF	DPGAMNYTKL	ILSERDRLGI	KTVWPTREYT	420 420
D6948-PP: CEF94-PP:	DFREYFMEVA	DLNSPLKIAG	AFGFKDIIRA	LRRIAVPVVS	TLFPPAAPLA	HAIGEGVDYL	480 480
D6948-PP: CEF94-PP:	LGDEAQAASG	TARAASGKAR	AASGRIROLT	LAADKGYEVV	ANLFQVPQNP	VVDGILASPG	540 540
D6948-PP: CEF94-PP:	ILRGAHNLDC	VLREGATLFP	VVITTVEDAM	TPKALNSKMF	AVIEGVREDL	QPPSQRGSFI	600 600
D6948-PP: CEF94-PP:	RTLSGHRVYG	YAPDGVLPLE	TGRDYTVVPI	DDVWDDSIML	SKDPIPIVG	NSGNLAIAYM	660 660
D6948-PP: CEF94-PP:	DVFRPKVPIH	VAMTGALNAY	GEIENVSFRS	TKLATAHRLG	LKLAGPGAFD	VNTGSNWATF	720 720

FIG. 20B

D6948-PP:	<u>IKRFPHNPRD</u>	WDRLPYLNLP	YLPPNAGRQY	DLAMAASEFK	ETPELES AVR	AMEAAANVDP	780
CEF94-PP:	.....	.....	.....	H.....	.....	.....	780
D6948-PP:	LFQSALSVFM	WLEENGIVTD	MANFALSDPN	AHRMRNFLAN	APQAGSKSQR	AKYGTAGYGV	840
CEF94-PP:	.....	.....	.....	.....	.....	.....	840
D6948-PP:	EARGPTPEEA	QREKDT RISK	KMETMGIYFA	TPWVVALNGH	RGPSPGQLKY	WQNTREIPDP	900
CEF94-PP:	.....	.....	.....	.....	.....	.....	900
D6948-PP:	NEDYLDYVHA	EKSRLASEEQ	ILRAATSIYG	APQAEPPQA	FIDEVAKVYE	INHGRGPNQE	960
CEF94-PP:	.....	.....	.....	.....	.....	.....	960
D6948-PP:	QMKDLLLTAM	EMKHRNPRRA	PPKPKPKPNA	PTQRPPGRLG	RWIRAVSDED	LE	1012
CEF94-PP:	.....	.....	L.....	.....	.....^T.....	..	1012

FIG. 21A

D6948-VP1:	MSDVFNSPQA	RSKISAAFGI	KPTAGQDVEE	LLIPKVVVPP	EDPLASPSRL	AKFLRENGYK	60
CEF94-VP1:	...I.....	..T.....	.....	.....	.....	.....	60
D6948-VP1:	ILQPRSLPEN	EEYETDQILP	DLAWMRQIEG	AVLKPTLSLP	IGDQEYFPKY	YPTHRPSKEK	120
CEF94-VP1:	V.....	.....	.....	.....	.....	.....	120
D6948-VP1:	PNAYPPDIAL	LKQMIYLFQ	VPEATDNLKD	EVTLTQNIR	DKAYGSGTVM	GQATRLVAMK	180
CEF94-VP1:	.....	.....	...NEG...	.....	.....	.....	180
D6948-VP1:	EVATGRNPKN	DPLKLGYTE	SIAQLLDITL	PVGPPGEDDK	PWVPLTRVPS	RMLVLTGDVD	240
CEF94-VP1:	.....	.....	.....	.....	.....	.....	240
D6948-VP1:	GEFEVEDYLP	KINKSSSGL	PYVGRTKGET	IGEMIAISNQ	FLRELSALLK	QGAGTKGSNK	300
CEF94-VP1:	.D.....	.....	.....	.....	...T...	.....	300
D6948-VP1:	KKLLSMLSDY	WYLSGGLLFP	KAERYDKSTW	LTKTRNIWSA	PSPTHLMISM	ITWPVMSNSP	360
CEF94-VP1:	.....	.....	.....	.....	.....	.....	360
D6948-VP1:	NNVLNIEGCP	SLYKFNPFGR	GLNRIVEWIM	APDEPKALVY	ADNIYIVHSN	TWYSIDLEKG	420
CEF94-VP1:	.....	.....	.....	...L..E.....	.....	.....	420
D6948-VP1:	EANCTRQHMQ	AAMYYILTRG	WSDNGDPMFN	QTWATFAMNI	APALVVDSSC	LIMNLQIKTY	480
CEF94-VP1:	.....	.....	.....	.....	.....	.....	480
D6948-VP1:	GQSGCNAATF	INNHLNSTLV	LDQWNLMKQP	SPDSEEFKSI	EDKLGINFKI	ERSIDDIRGK	540
CEF94-VP1:	.....	.....	...R...R...	.....	.....	.....	540
D6948-VP1:	LRQLVPLAQP	GYLSGGVEPE	QPSPTVELDL	LGWSATYSKD	LGIYVPVLDK	ERLFCSAAYP	600
CEF94-VP1:	...L....	.....	.S.....	.....	.....	.....	600
D6948-VP1:	KGVENKSLKS	KVGIEQAYKV	VRYEALRLVG	GWNYPPLLKA	CKNNASAARR	HLEAKGFPLD	660
CEF94-VP1:	.....	.....	.....	.....	...G....	.....	660
D6948-VP1:	EFLAEWSELS	EFGEAFEGFN	IKLTVTPESL	AELNRPVPPK	PPNVNRPVNT	GGLKAVSNAL	720
CEF94-VP1:	.....	.....	...S...K....	.....	.....	.....	720

FIG. 21B

D6948-VP1:	KTGRYRNEAG	LSGLVLILATA	RSRLQDAVKA	KAEAEKLHKS	KPDDPDADWF	ERSETLSDLL	780
CEF94-VP1:	.....	.....	.....	.....	.....	.....	780
D6948-VP1:	EKADIASKVA	HSALVETSDA	LEAVQSTSVY	TPKYPEVKNP	QTASNPVVGL	HLPKRATGV	840
CEF94-VP1:	.....	.....	.....	.....	.....	.....	840
D6948-VP1:	QAALLGAGTS	RPMGMEAPTR	SKNAVKNMAKR	RQRQESRQ-	-		879
CEF94-VP1:Q	P		881

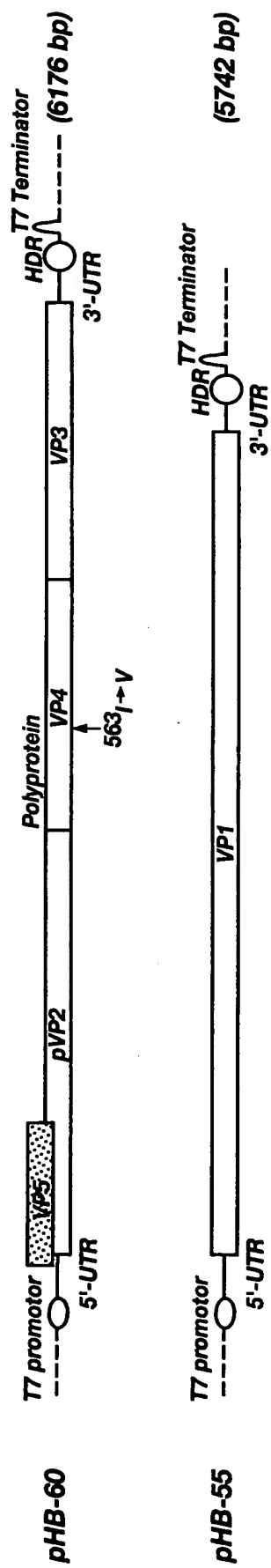


FIG. 22

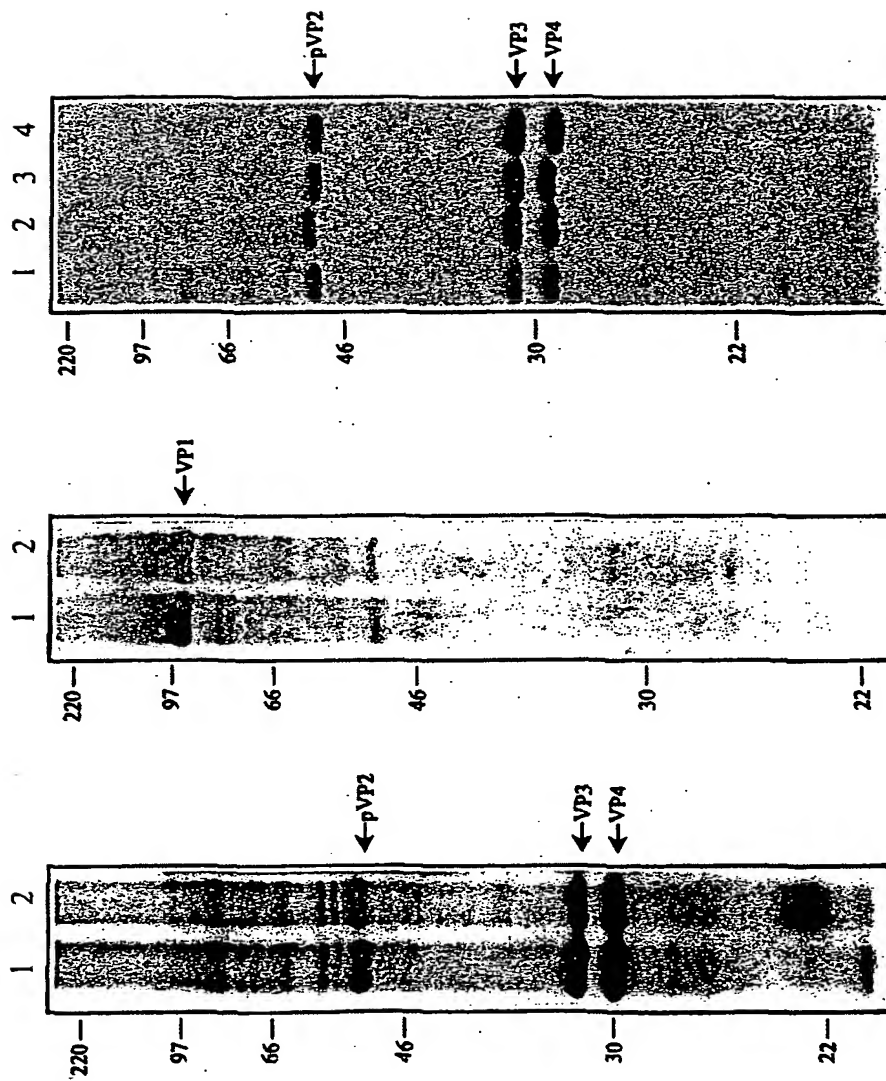


FIG. 23C

FIG. 23B

FIG. 23A

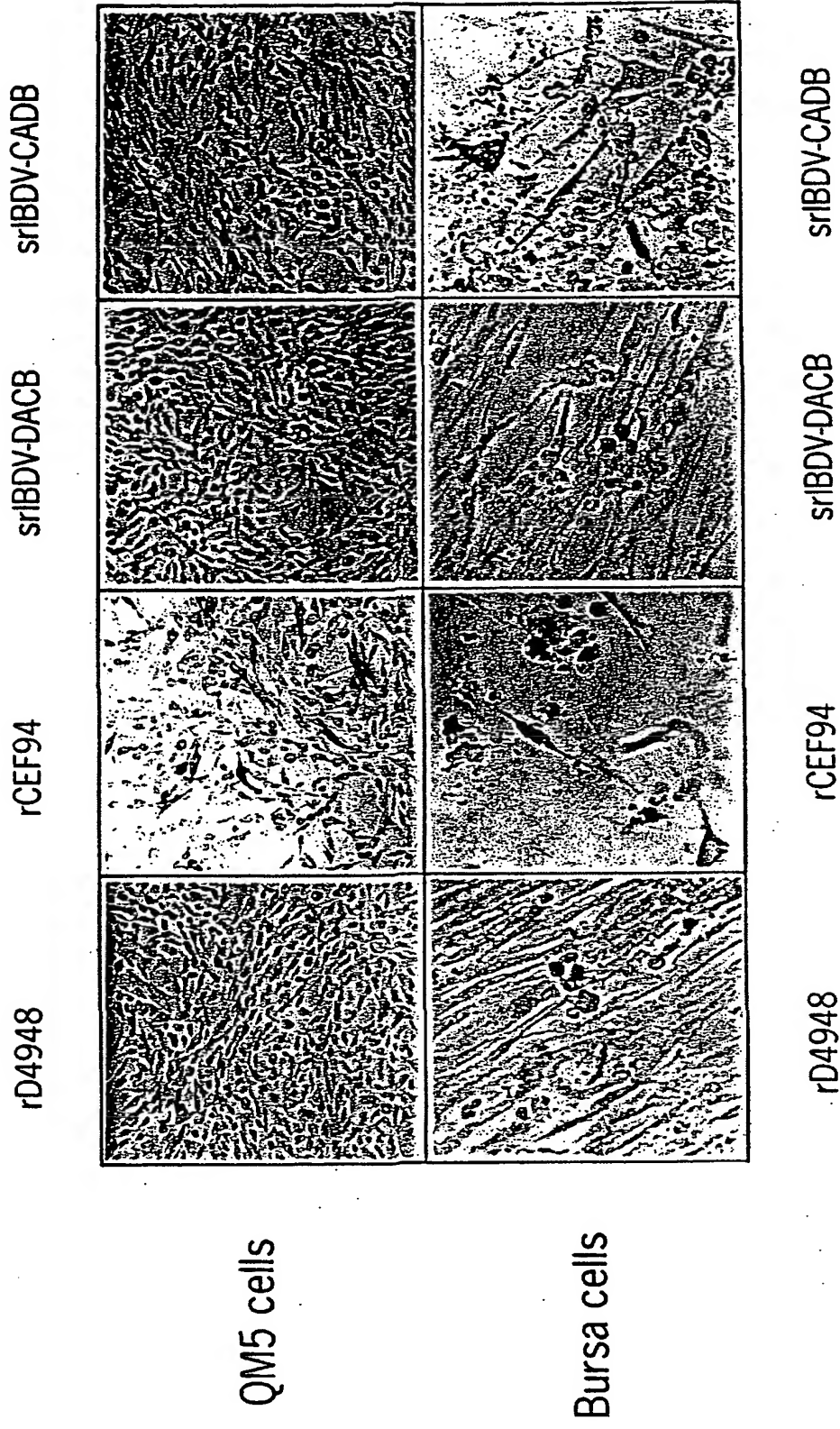


FIG. 24

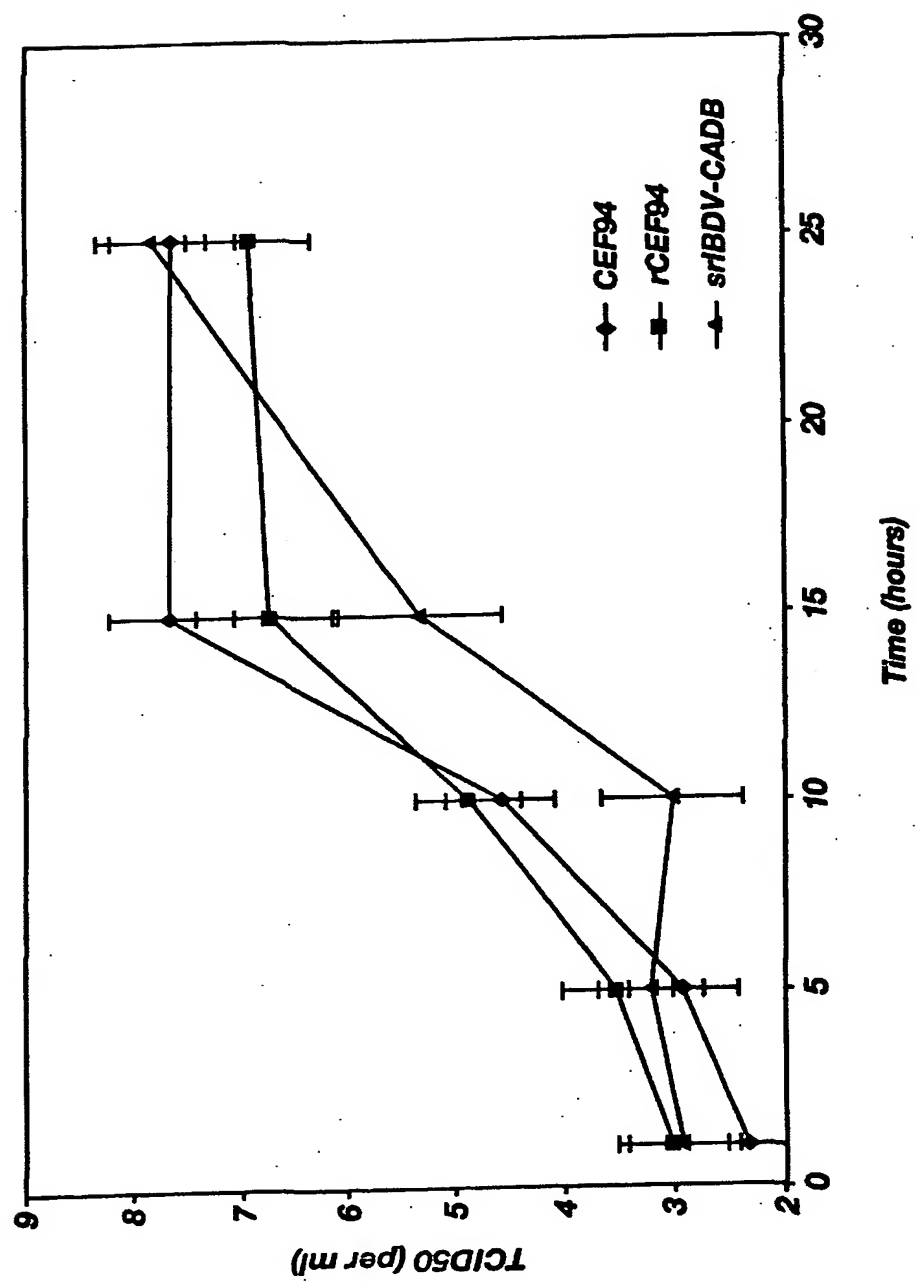


FIG. 25

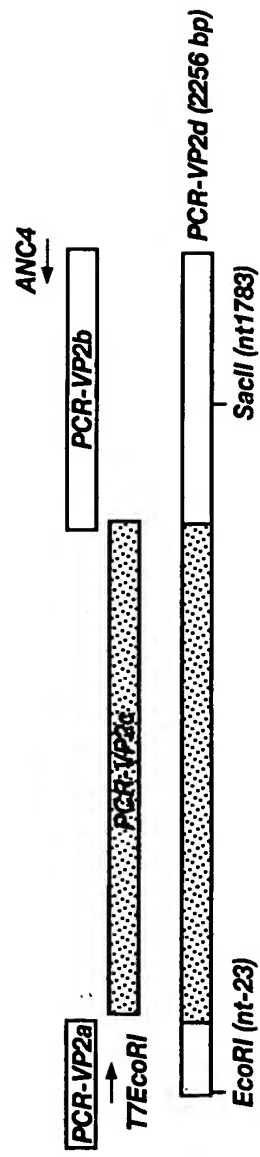
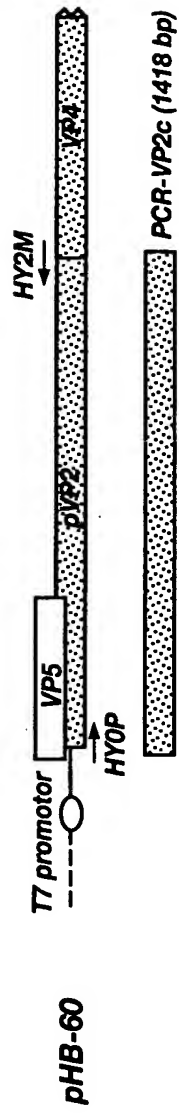
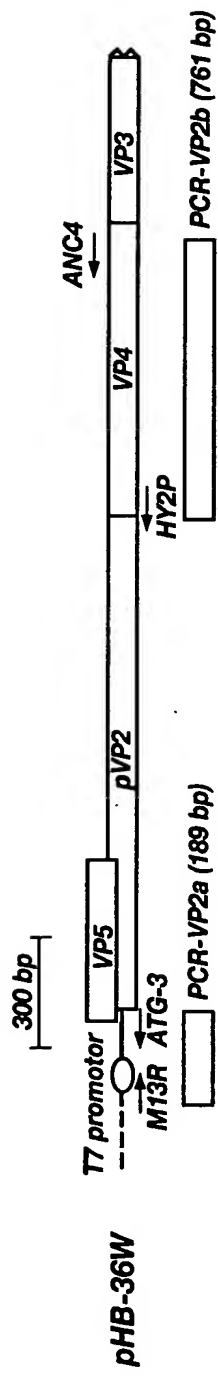


FIG. 26

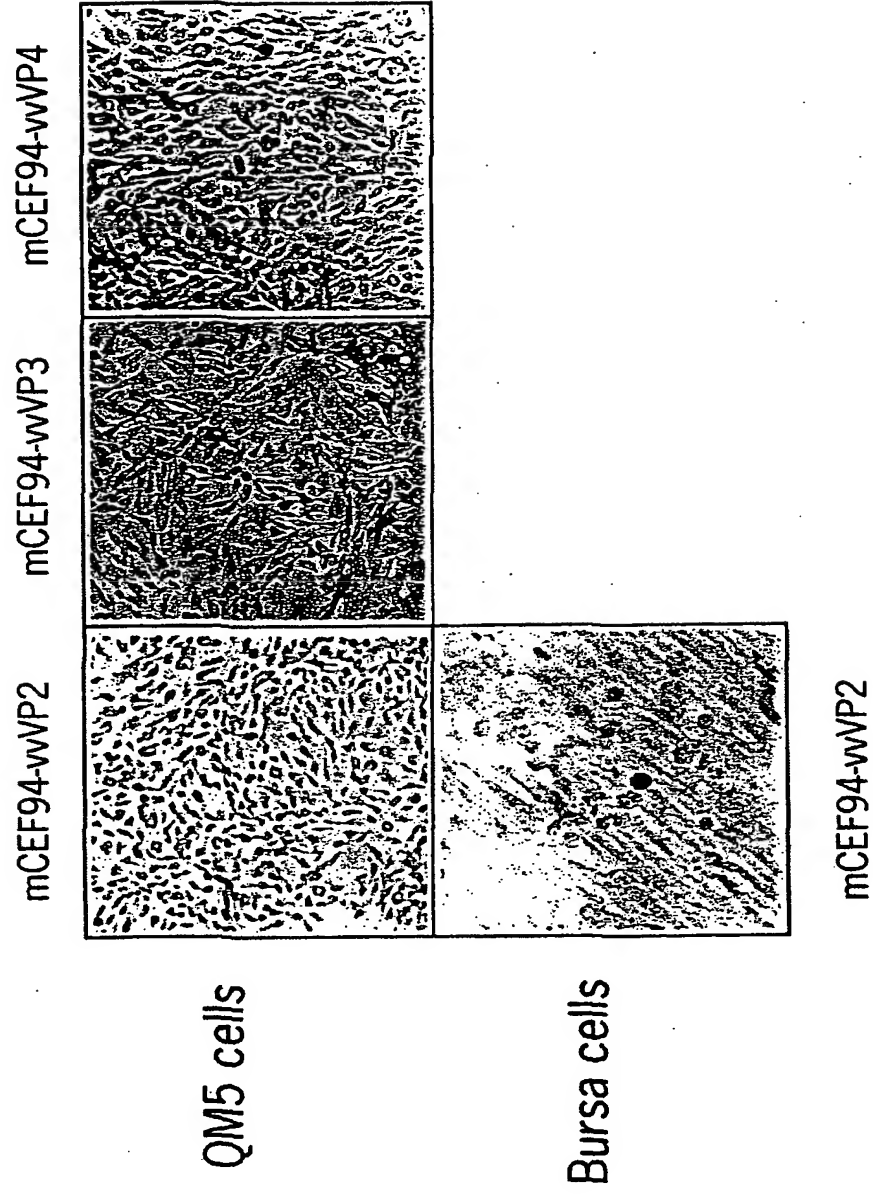


FIG. 27

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